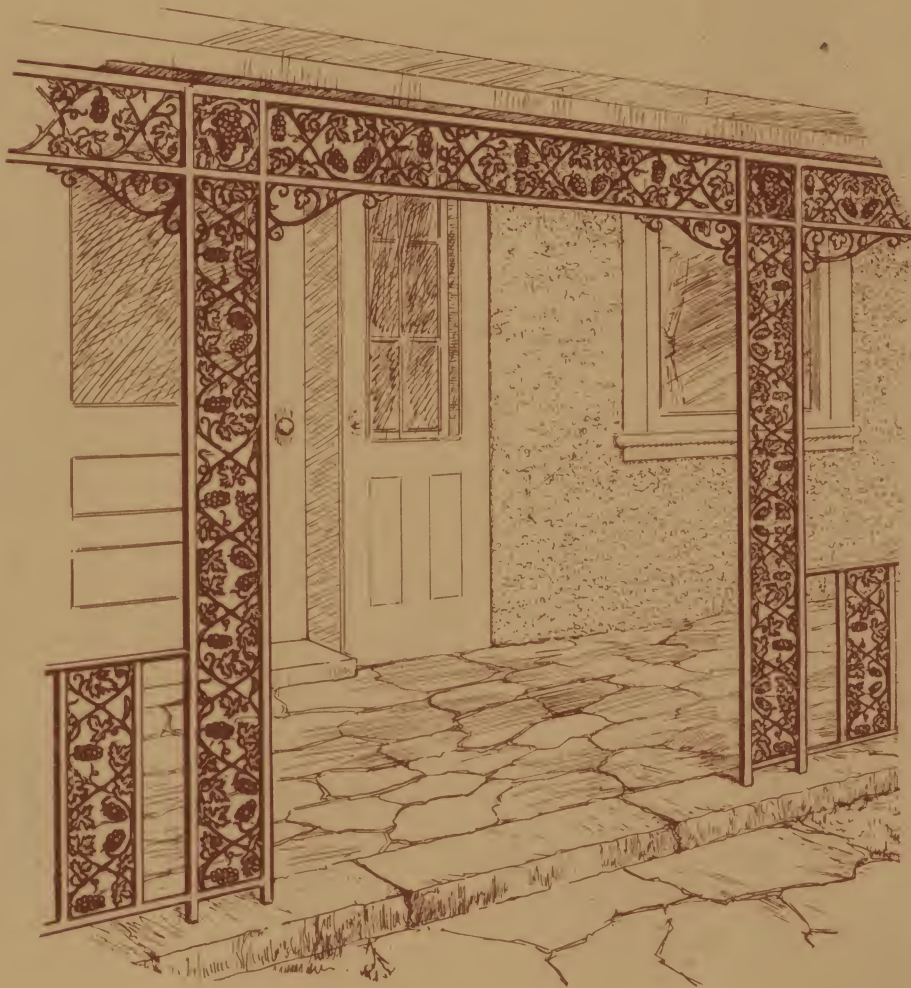


ORNAMENTAL METALWORK



JULIUS BLUM & CO., INC.

532 West 22nd Street

New York 11, New York

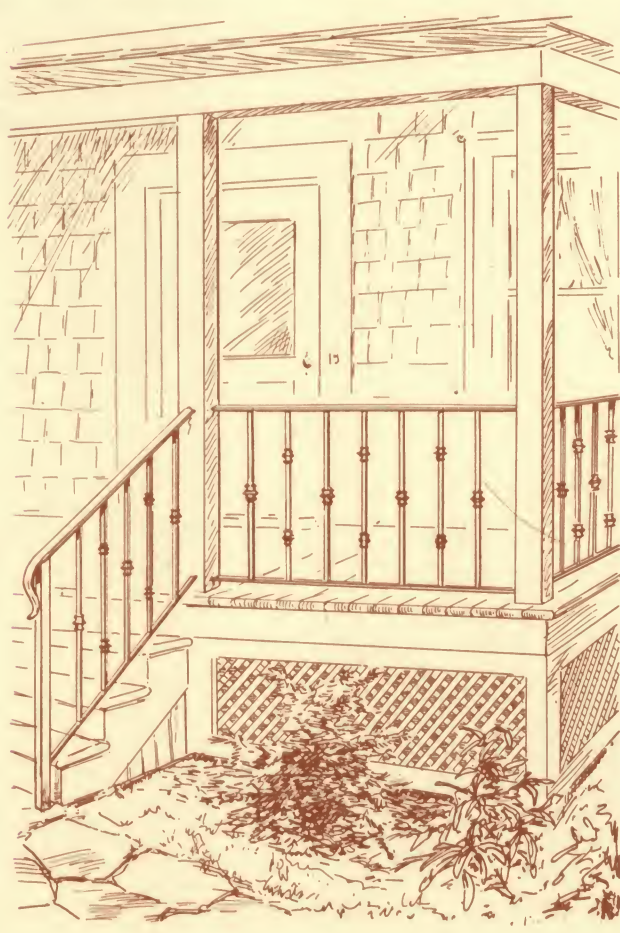
Telephone: WAtkins 9-7042

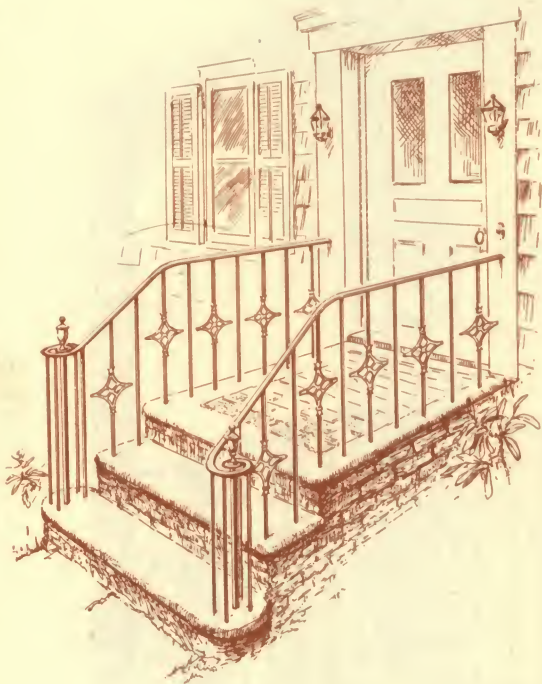
We take pleasure in presenting this book in the hope that it will be helpful to our customers and their clients in the selection and design of attractive ornamental metal work.

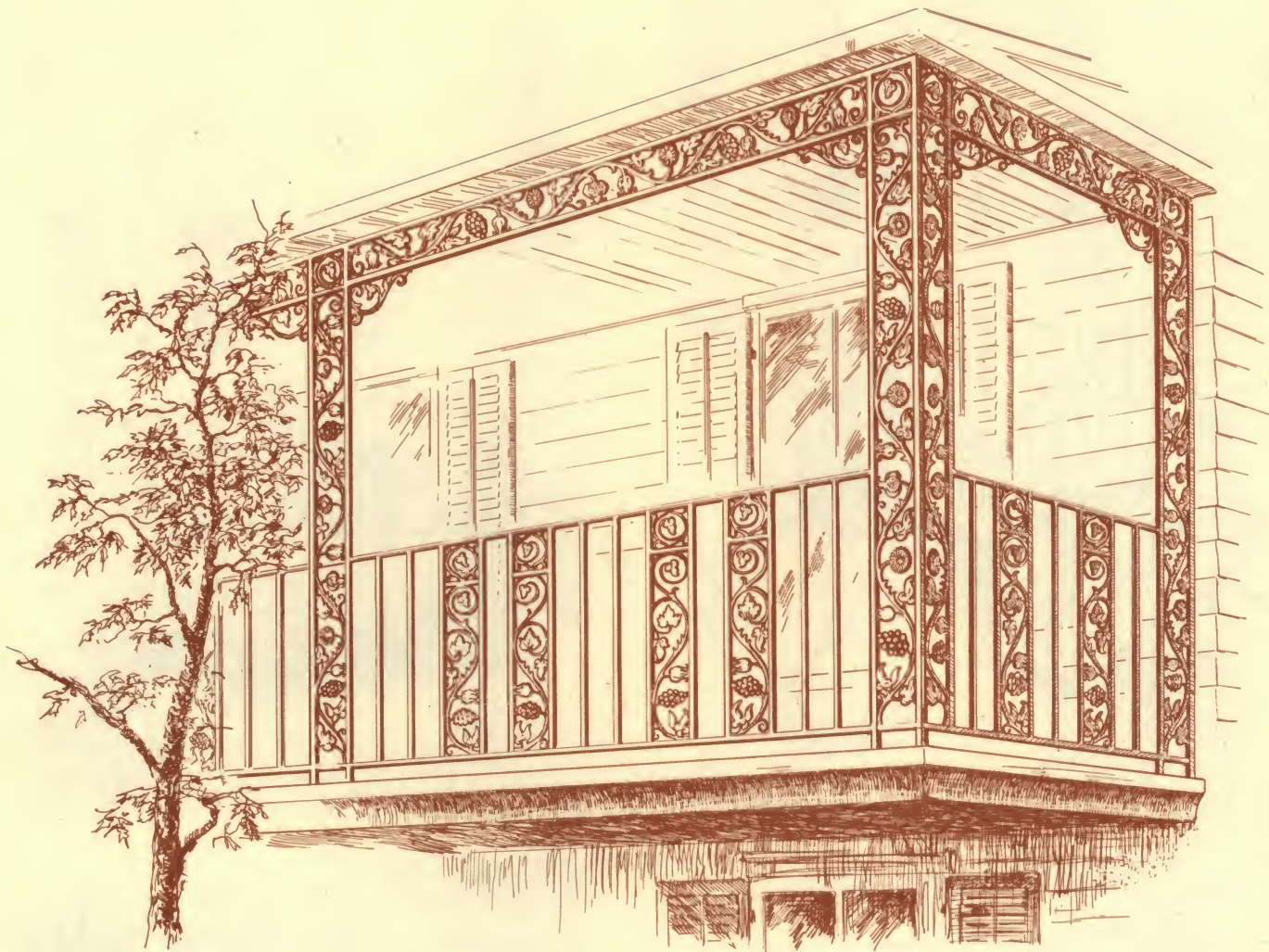
The illustrations are offered as suggestions only and can be modified to suit varying budgets and conditions.

We wish to emphasize that we supply material only and do no fabricating or installing.

JULIUS BLUM & CO., INC.

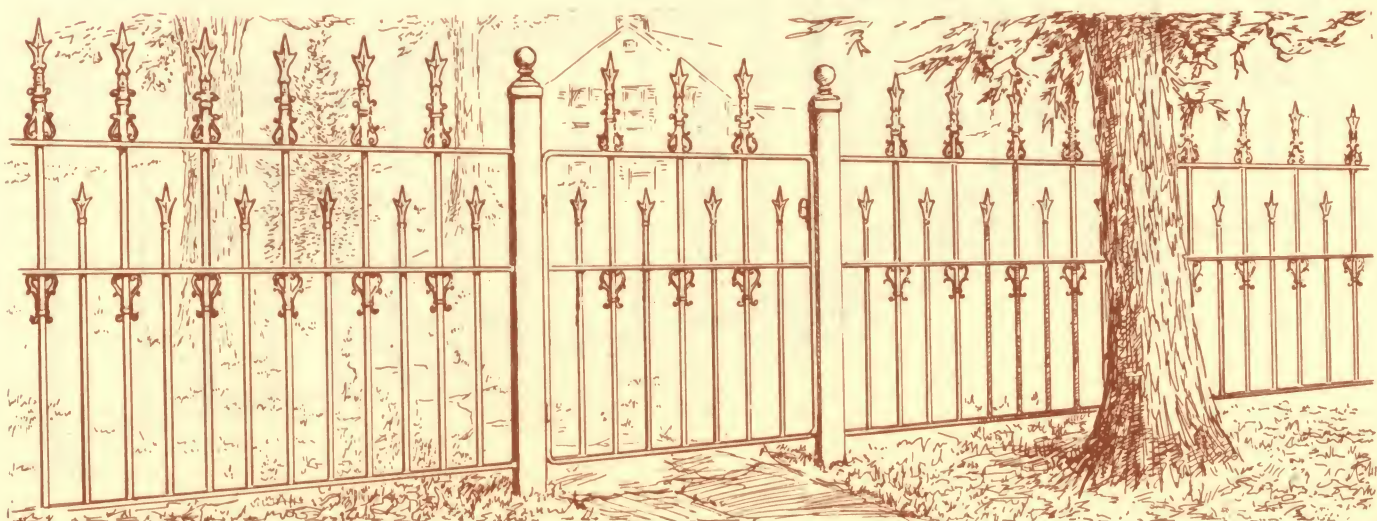
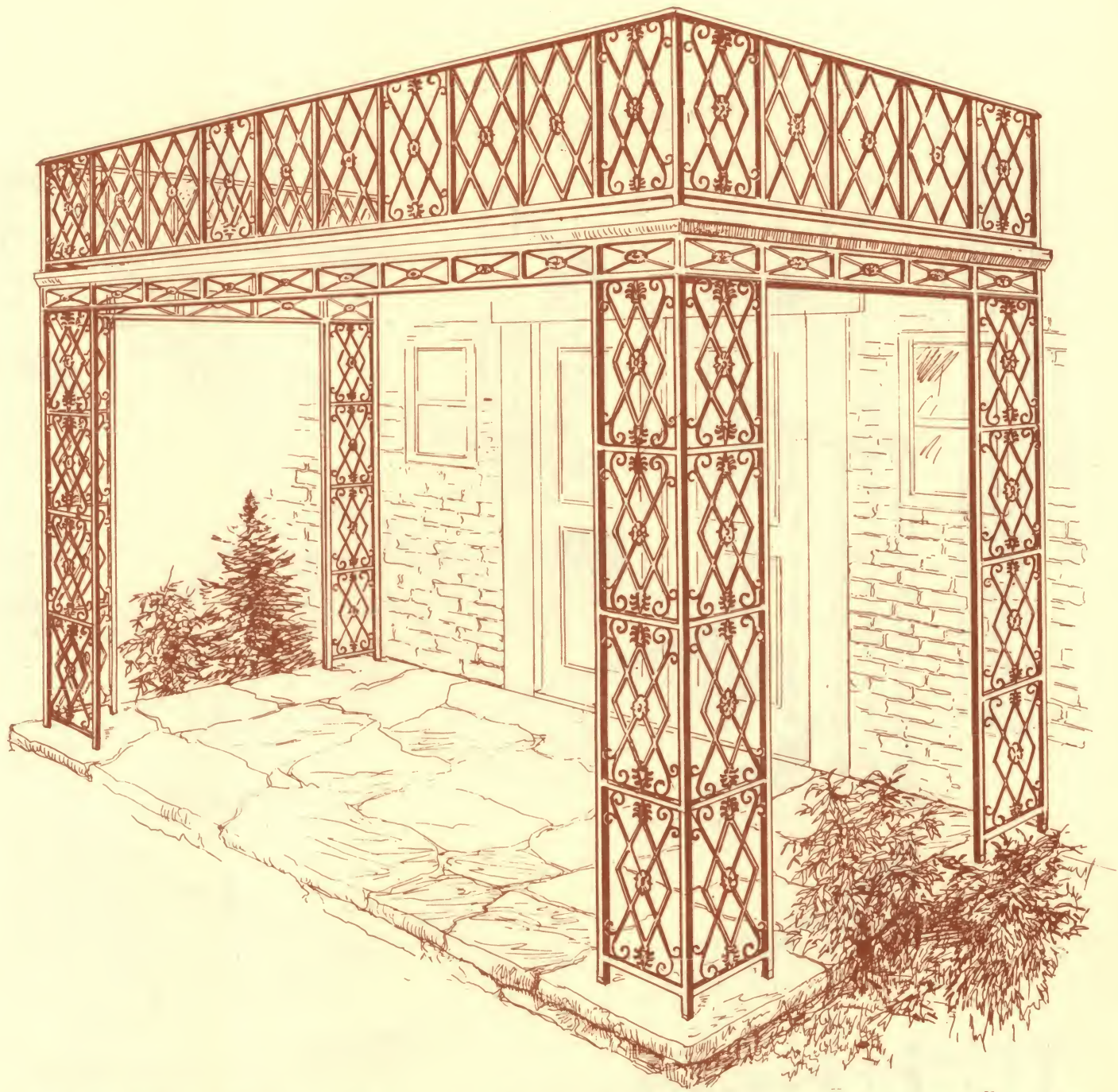


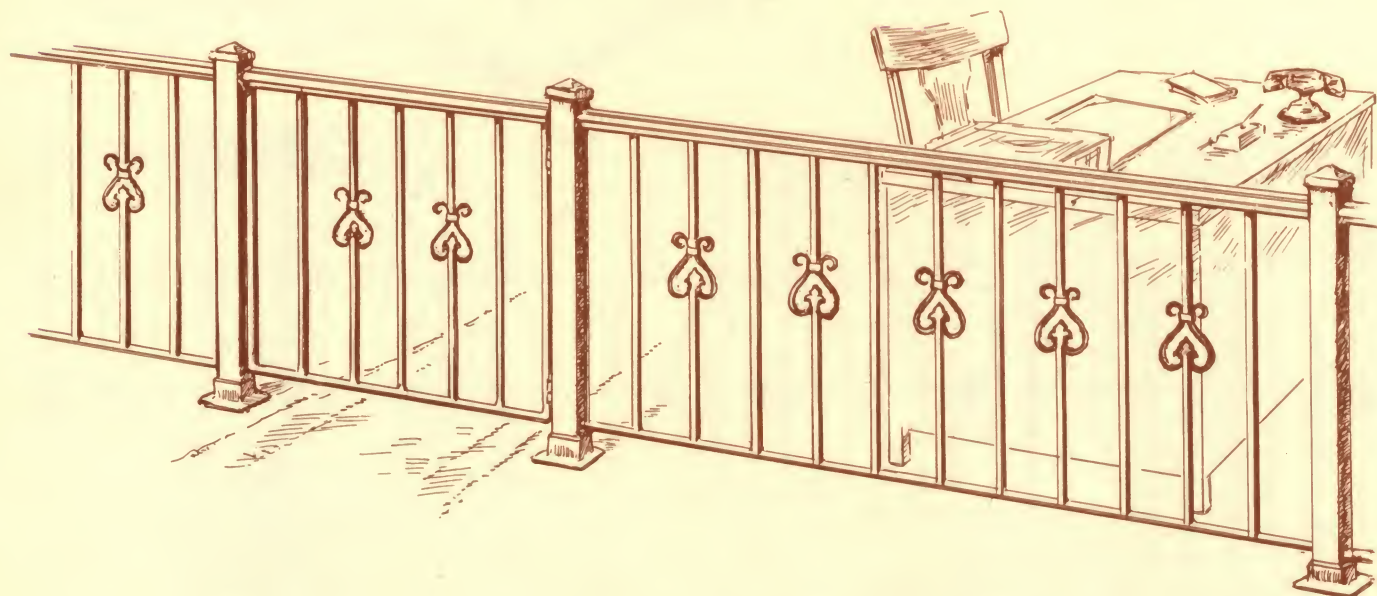
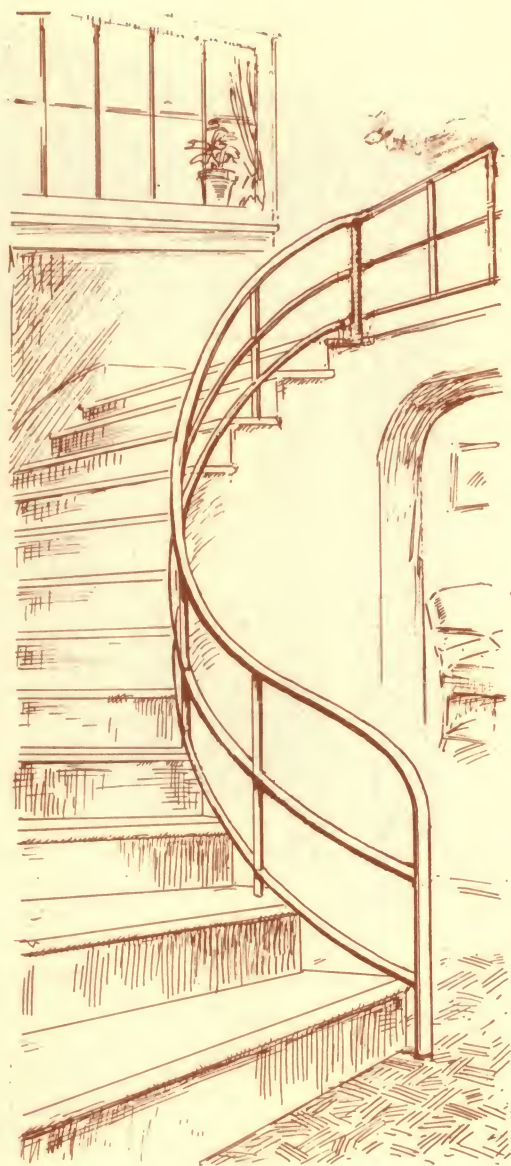
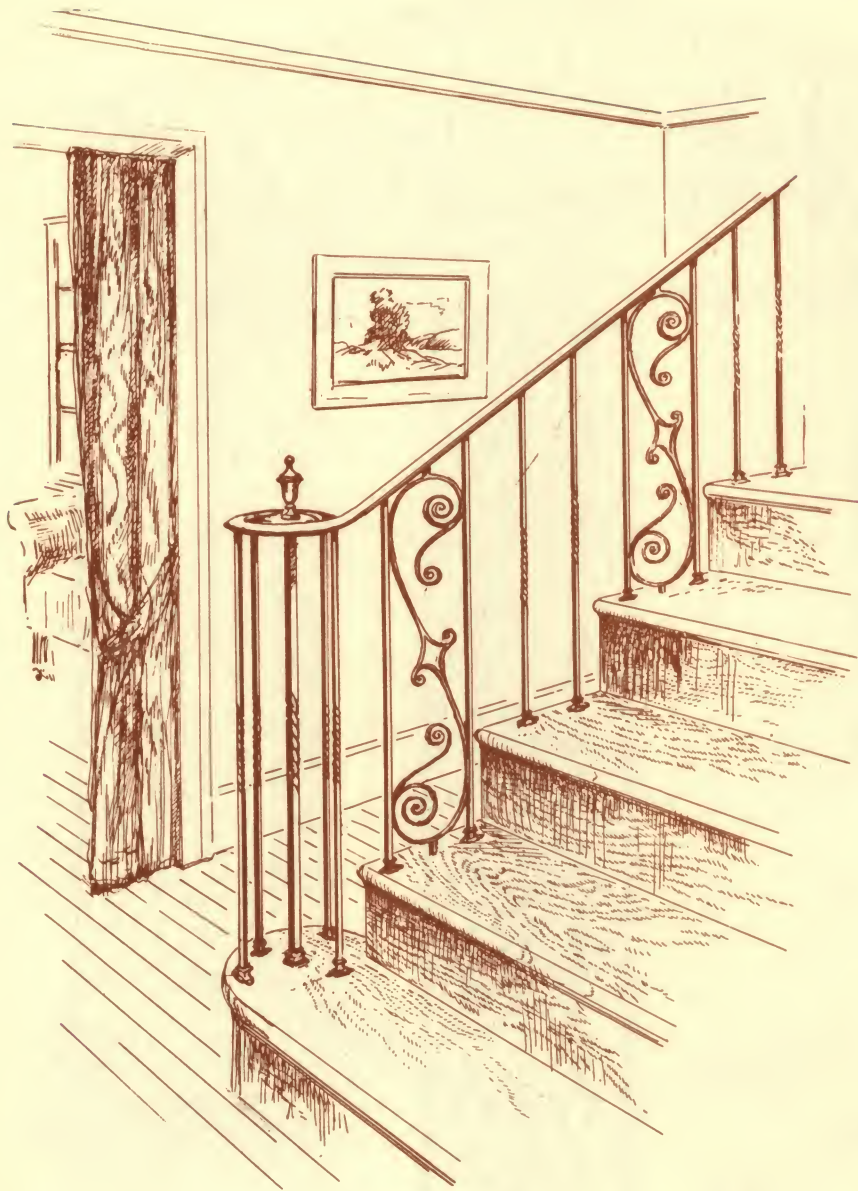


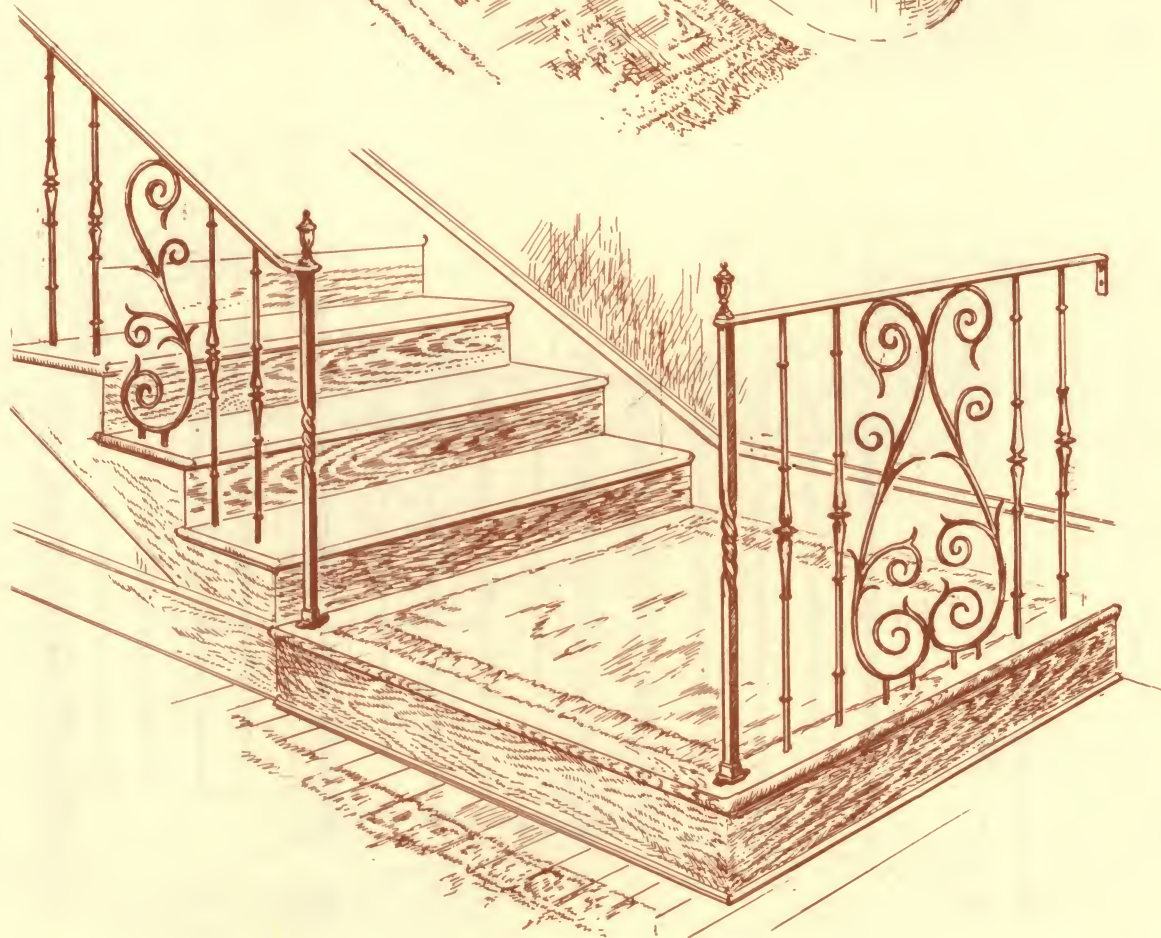
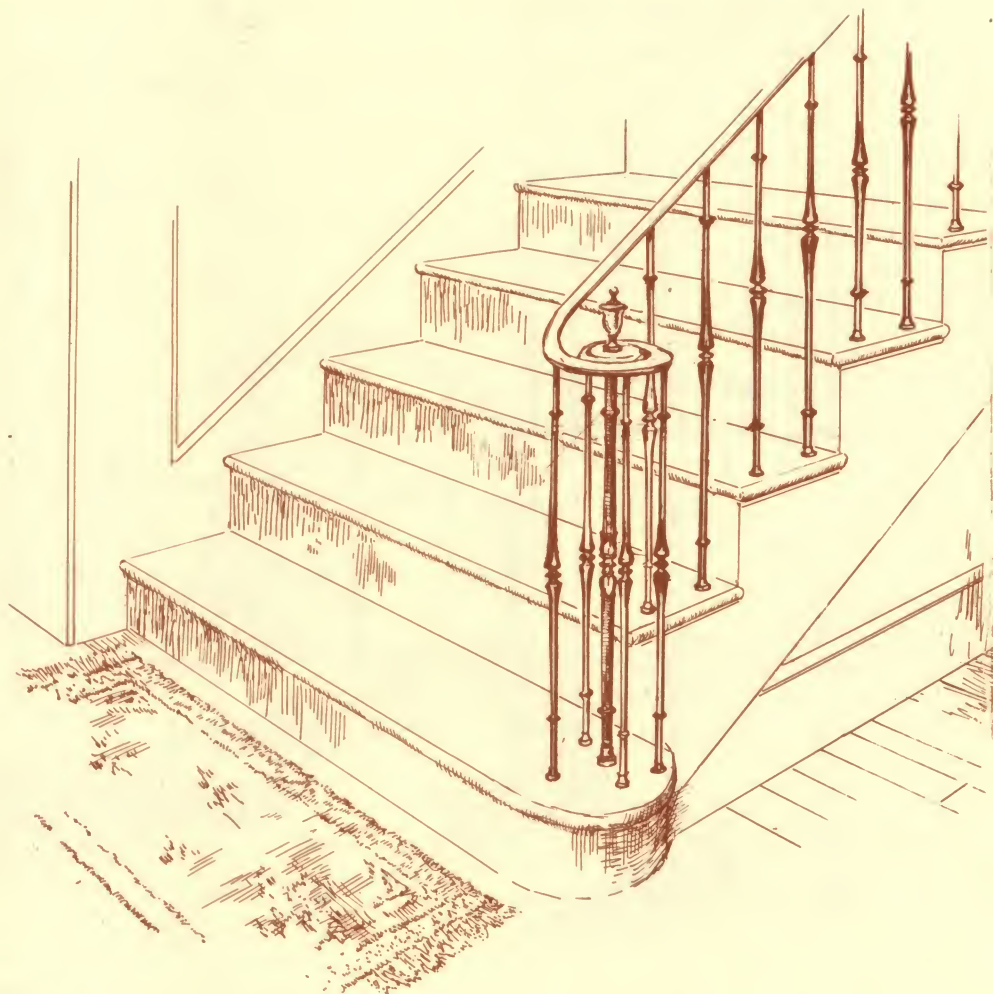


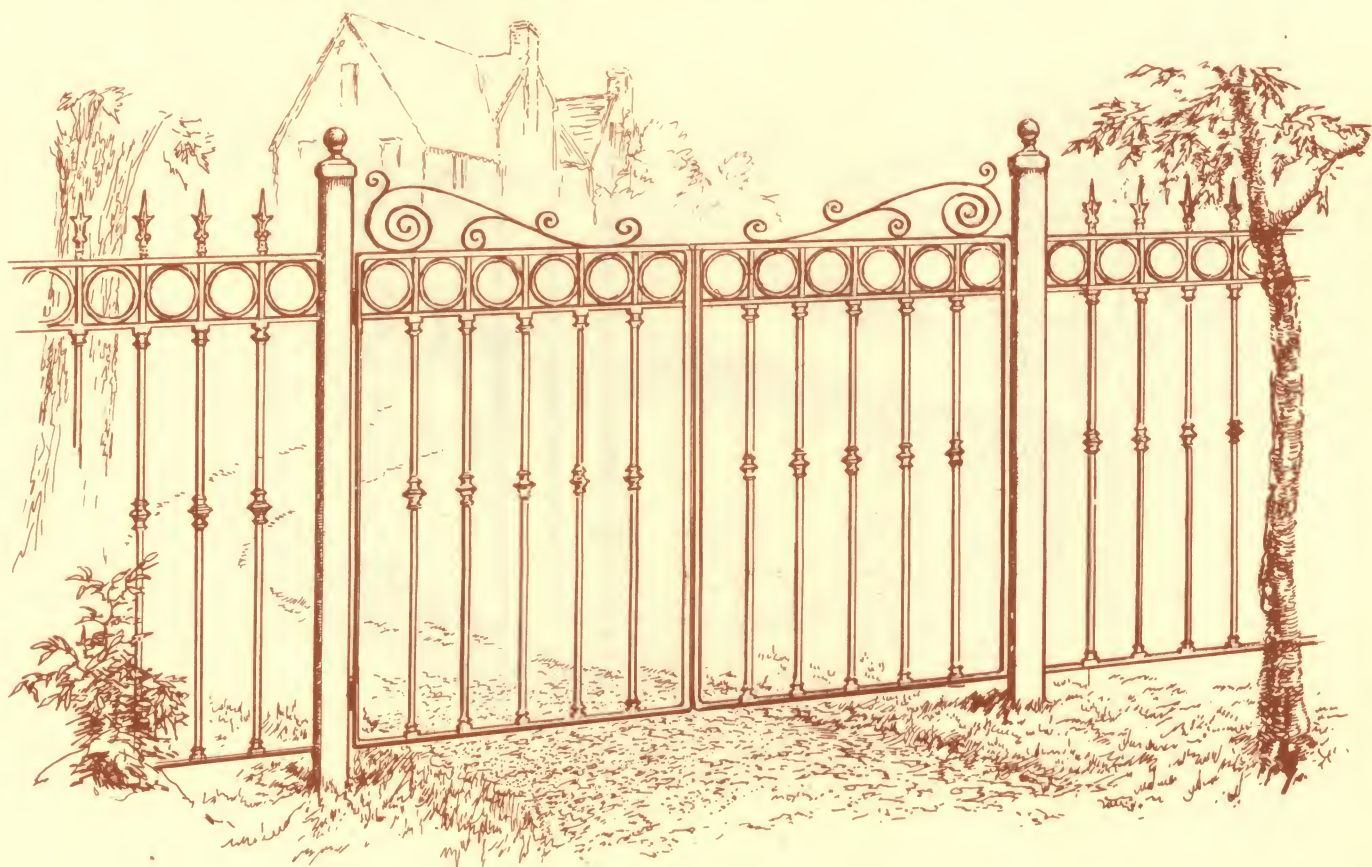


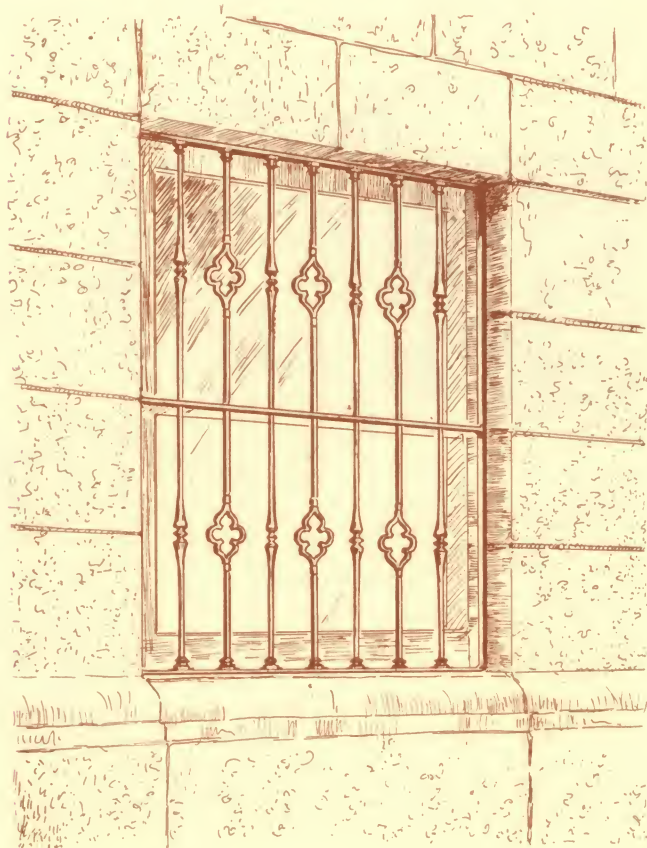
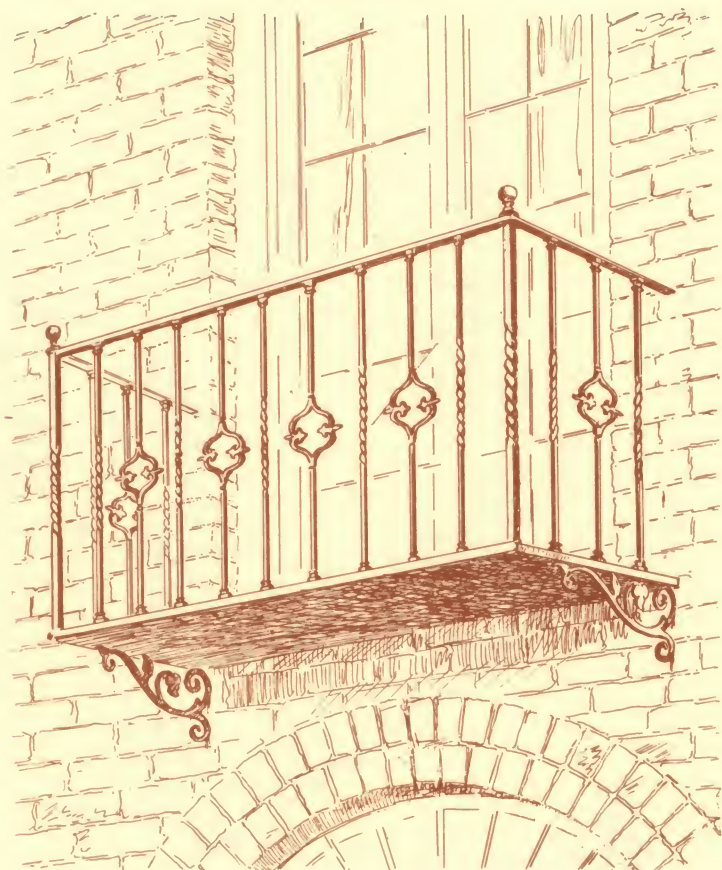


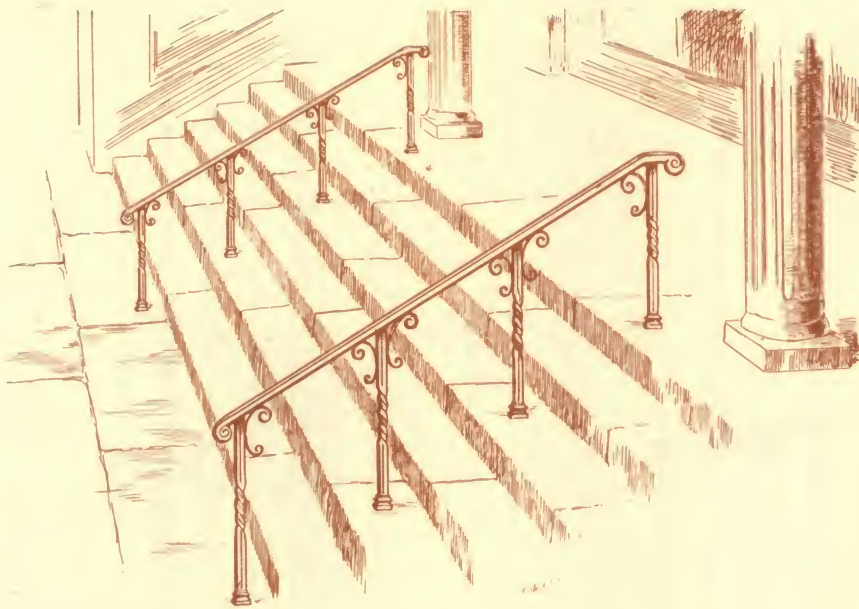




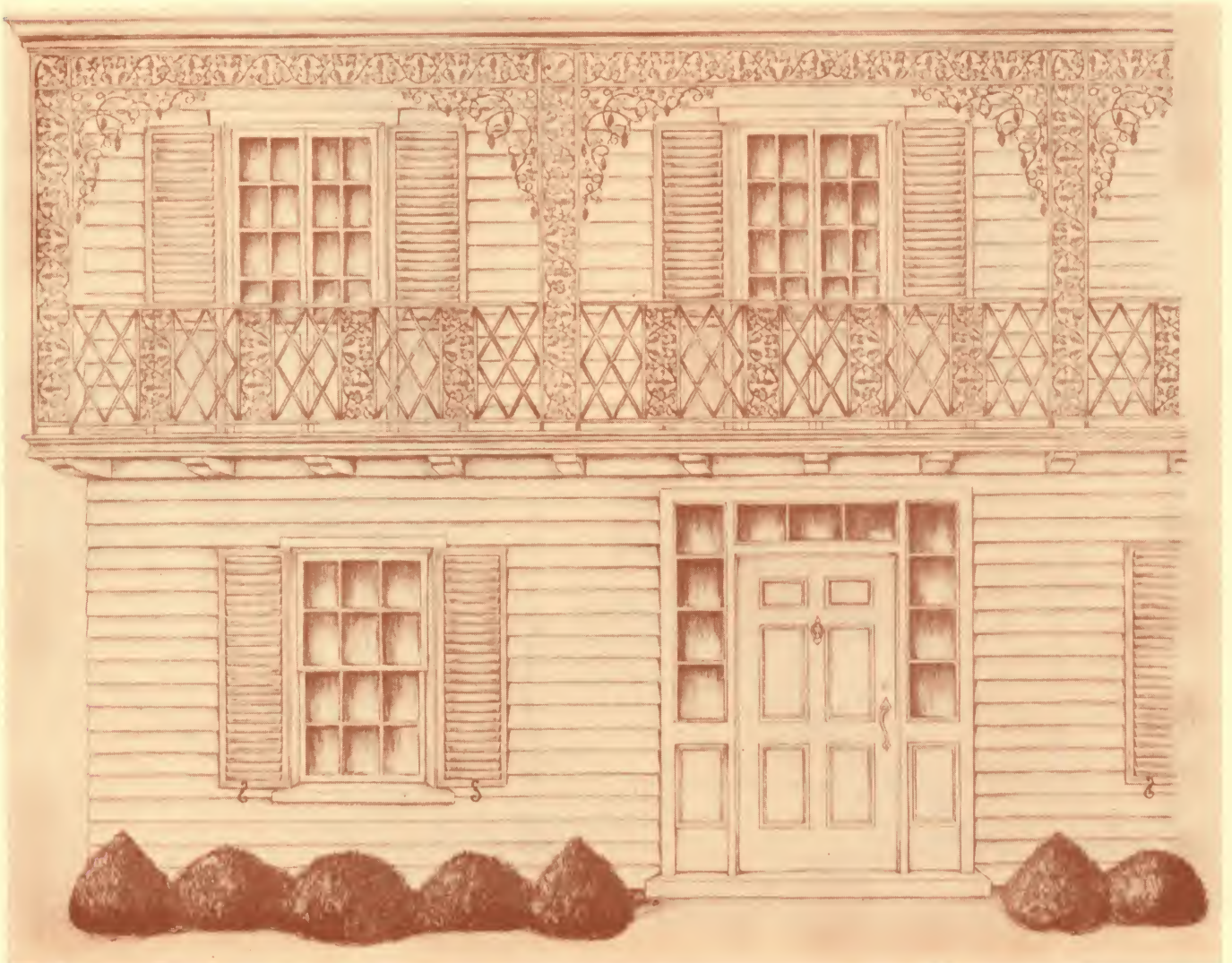




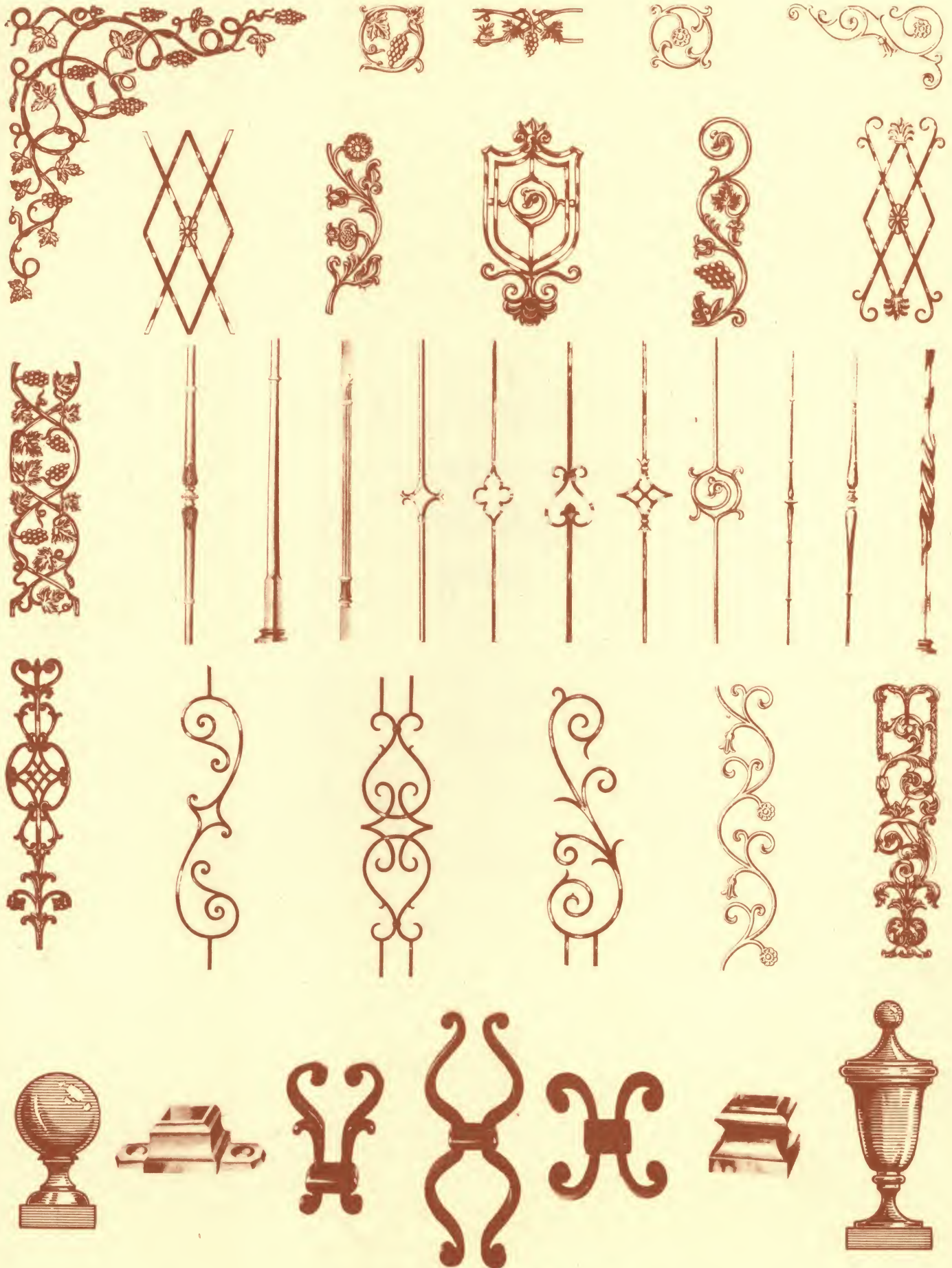








Stock Elements for Ornamental Metalwork



JULIUS BLUM & CO., INC.



JULIUS BLUM & CO. INC.

WROUGHT IRON MOULDINGS

IRON AND STEEL

WATKINS 9-7042-9

METAL WORKING MACHINERY

OFFICE & WAREHOUSE
532-540 W. 22ND STREET
NEW YORK 11, N. Y.

SQUARE ROOT ANGLES
& CHANNELS

SQUARE & RECTANGULAR
STEEL TUBING

EXTRUDED PLASTIC SHAPES
RODS & TUBES

March 8, 1948

Gentlemen:

A short time ago we mailed out our booklet No. 148 containing designs of railings, porches, balconies, fences, gates, grilles, etc. Our purpose was to be helpful to our customers and their clients in the selection and design of attractive ornamental metal work.

The response has been most gratifying. We have received numerous requests for additional copies. Our customers have requested copies for their offices and their sales forces, as well as for distribution to local architects, contractors and builders. Our stock of this booklet was soon exhausted and it is now being reprinted.

We will be pleased to furnish you up to 200 additional copies of our Booklet No. 148. If you wish, we will leave our name and address off the front cover and have your name and address inserted instead. In that case, the only charge we will make is for the actual cost of imprinting the cover with your name, which is about \$4.00 for 50 copies. There will be no charge for the booklet itself.

If, by distributing this booklet, we should succeed in encouraging the wider use of good ornamental metal work, we will consider ourselves amply rewarded. We will appreciate your assistance in passing it out to interested parties in your locality.

Please let us know how many copies you will require and specify exactly how you want the cover to be imprinted.

Sincerely,

JULIUS BLUM & CO. INC.

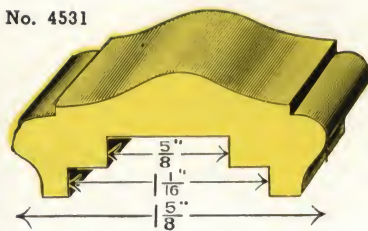
P.S. We will be grateful for any suggestions or criticism which you may have to offer regarding the designs in our booklet.

ARCHITECTURAL BRONZE HANDRAILS

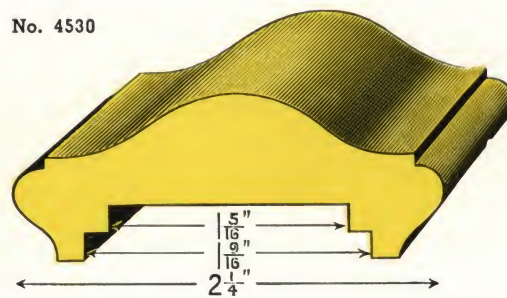
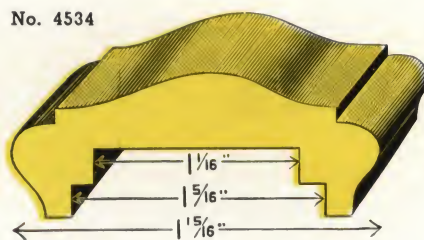
CARRIED IN STOCK

No. 4530

No. 4531



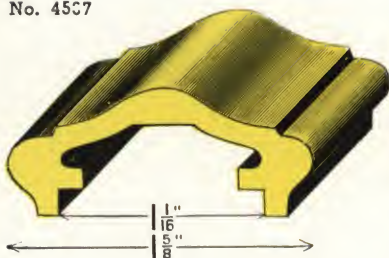
No. 4534



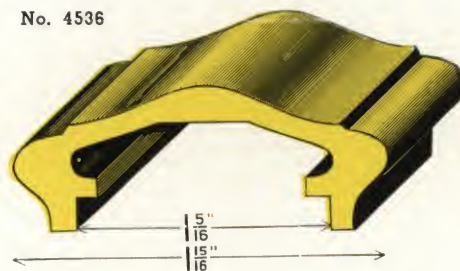
No. 4531, 4534 and 4530 Handrails illustrated above are especially suited for bending and curving.

No. 4537, 4536 and 4532 Handrails illustrated below have the same outside profile and match perfectly the corresponding handrails shown above. They are lighter in weight, therefore more economical for use in straight runs when bending and curving is not required.

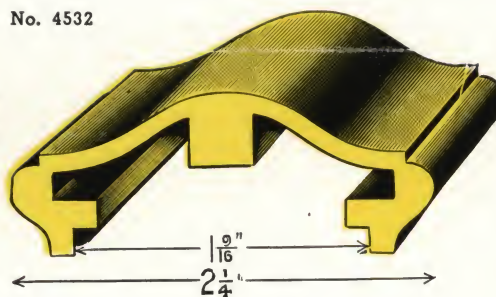
No. 4537



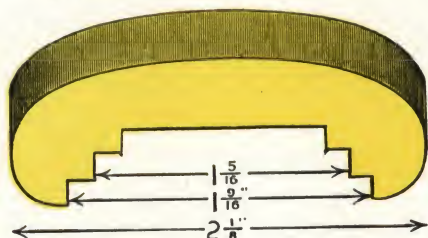
No. 4536



No. 4532



No. 4535



ARCHITECTURAL BRONZE CHANNELS TO FIT THE UNDERSIDE OF HANDRAILS

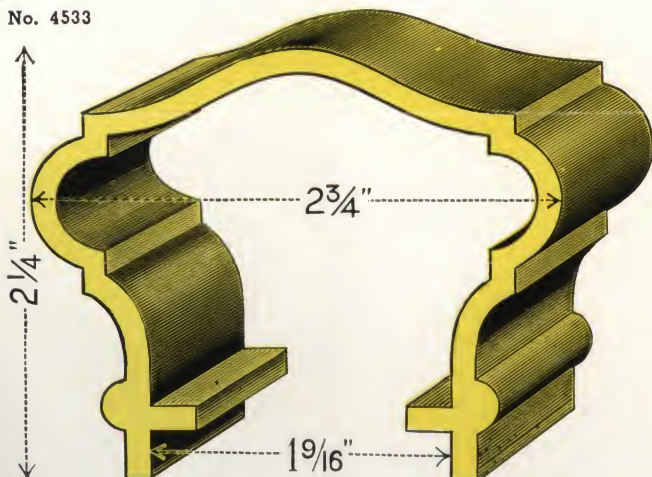


1" x 1/2" x 1/8"

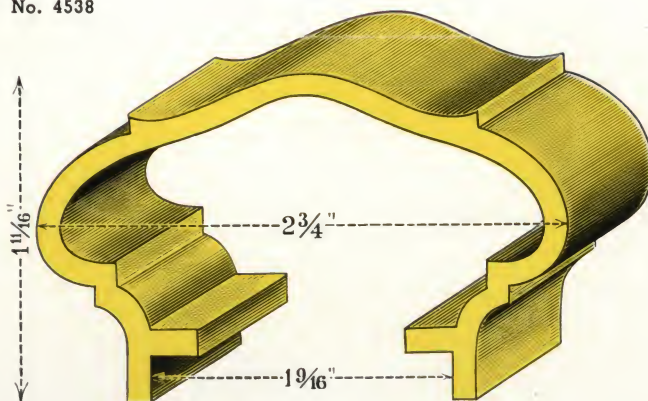
1 1/4" x 5/8" x 1/8"

1 1/2" x 5/8" x 1/8"

No. 4533



No. 4538



Architectural Bronze Handrails are carried in stock in long straight Bars of about 20 feet. They can also be furnished cut to specified lengths. The finish is perfectly smooth and a high polish is easily obtained by buffing.

Julius Blum & Co., Inc.

532-540 WEST 22nd ST.
NEW YORK 11, N. Y.
Telephone: WAtkins 9-7042

HANDRAIL FITTINGS

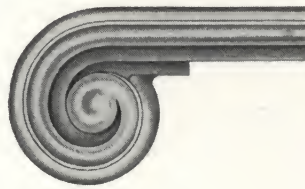
To Match Architectural Bronze Handrails

CARRIED IN STOCK

STRAIGHT LAMB'S
TONGUE



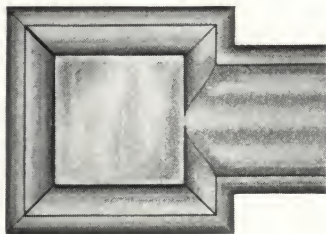
VOLUTE



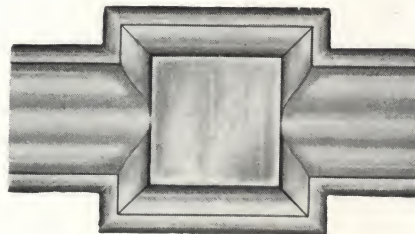
BEVEL LAMB'S TONGUE



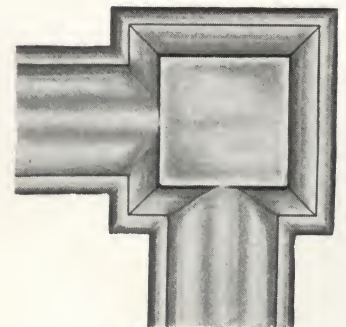
END PIECE TERMINAL



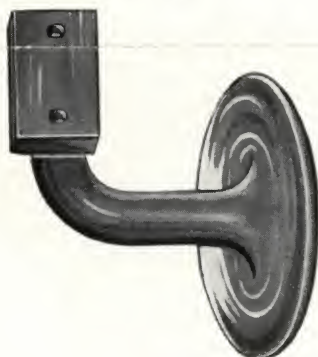
CENTER PIECE
"T"



CORNER PIECE
"L"



HANDRAIL BRACKET
No. 370



CORNER BEND



LATERAL SCROLL—RIGHT AND
LEFT HAND

(Left Hand Shown)



Bronze Handrail Fittings are highly polished and match the color and profile of our handrail sections. (Not furnished for Handrails No. 4533 and No. 4538.) When ordering, state number of handrail as well as type of fitting.

Julius Blum & Co., Inc.

532-540 WEST 22nd ST.
NEW YORK 11, N. Y.
Telephone: WAtkins 9-7042

Received April 30th '48

DRAFT

LATERAL SCROLL ENDS FOR STEEL HANDRAILS

MOULDED LATERAL SCROLLS



Left Hand

Cast from high grade malleable iron. May be bent to conform to bevel required. Easy to weld—no breakage.



Right Hand

SIZE OF SCROLL MAY BE VARIED BY CUTTING AND JOINING HANDRAIL AT DESIRED POINT

FLAT BAR LATERAL SCROLLS

To fit underside of moulded lateral scroll. Three sizes:

- 1" x $\frac{3}{8}$ " Flat
- 1 $\frac{1}{4}$ " x $\frac{3}{8}$ " Flat
- 1 $\frac{1}{2}$ " x $\frac{3}{8}$ " Flat

Flat Bar Scrolls are flame cut from Steel Plate. They can be punched for round or square balusters. Easy to bend and weld—no breakage.



"JUNIOR" LATERAL SCROLLS

Full Size Details
Furnished
Upon Request



Left Hand



Right Hand

To match #4429 Steel Handrail only

When Ordering
Lateral Scrolls State
Number of Handrail.

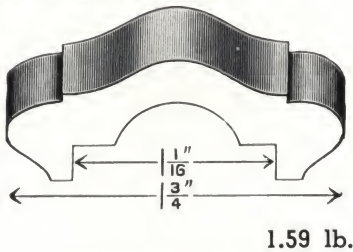
Moulded Lateral Scrolls also furnished in Bronze and Aluminum

JULIUS BLUM & CO., INC.

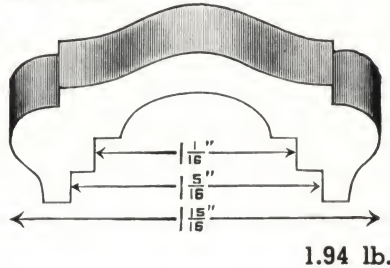
532-540 West 22nd Street, New York 11, N. Y.
TELEPHONE: WATKINS 9-7042

We carry in Stock
ROLLED STEEL HANDRAILS
WITH MATCHED FITTINGS

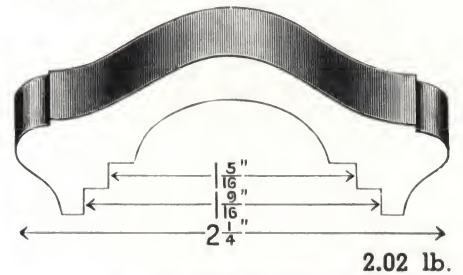
No. 4429



No. 4428



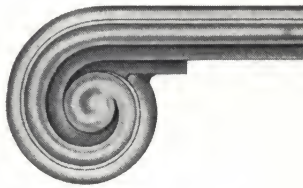
No. 4441



**STRAIGHT
LAMBS TONGUE**



VOLUTE

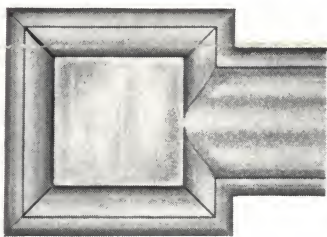


Fittings Are Made of High
Grade Malleable Iron
Easy to Weld — No Breakage

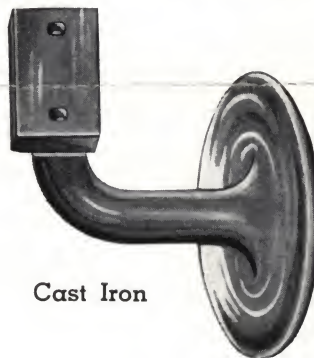
**BEVEL
LAMBS TONGUE**



TERMINAL END PIECE



HANDRAIL BRACKET



Cast Iron

URN BASE



Provides flat surface for mounting urns and terminates contour of handrail which is cut square. May be held in place by screwing urn to bolt connecting to starting post.

For No. 4429 Handrail Only

For Lateral Scrolls, see reverse side.

Details of Fittings furnished upon request.

When ordering Fittings, state number of Handrail.

Handrails and Fittings also furnished in Bronze and Aluminum.

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York 11, N. Y.
TELEPHONE: WATKINS 9-7042

Revised April 30th 48

ORNAMENTAL DOUBLE FACED CASTINGS



No. 519
Length: 2'-8"
Width: 7¾"

Carried in Stock
in high grade Malleable Iron

For Other
Malleable Iron Castings
See Reverse Side

Clean in appearance with
details executed perfectly.

SCALE: 1"=1'-0"



No. 537
Length: 3'-0¾"
Width: 8½"

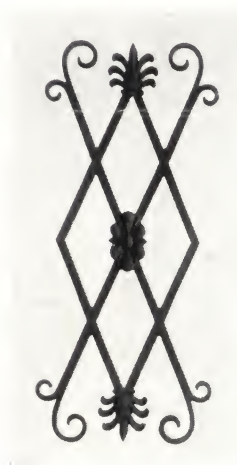
The castings shown below can be furnished in high strength aluminum alloy at present. They will soon be available in malleable iron.



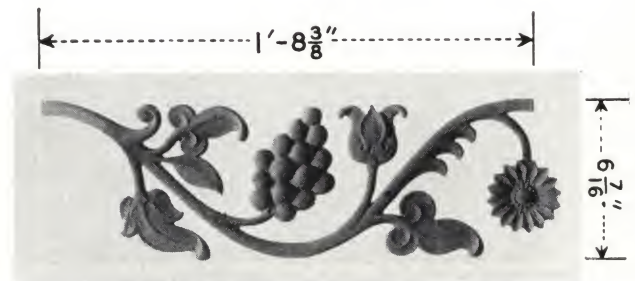
No. 538
Scale: 1"=1'-0"
Length: 2'-10"
Width: 9¼"



No. 520
Scale: 1"=1'-0"
Length: 2'-0¾"
Width: 6-7/16"



No. 541
Scale: 1"=1'-0"
Length: 2'-0"
Width: 10½"



No. 523
Scale: 1½"=1'-0"



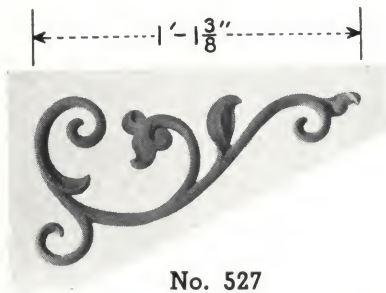
No. 522
Scale: 1½"=1'-0"

JULIUS BLUM & CO., INC.

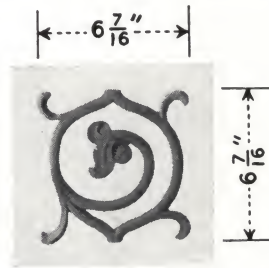
532-540 West 22nd Street, New York 11, N. Y.
TELEPHONE: WATKINS 9-7042

We carry in Stock ORNAMENTAL DOUBLE FACED CASTINGS

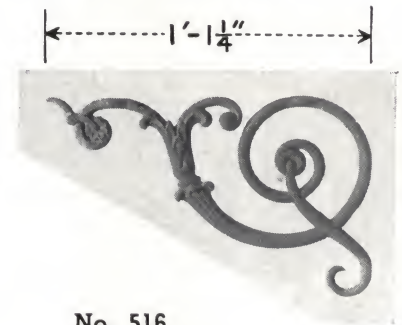
These castings now available in high grade Malleable Iron. Other designs available shortly.



No. 527



No. 526



No. 516



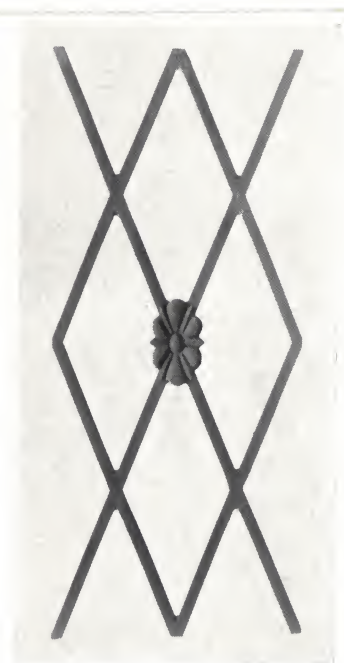
No. 521



No. 524



No. 525

No. 514
Length: 1'-1 3/4"No. 540
Length: 2'-0"
Width: 10 1/2"No. 511
Length: 2'-7 1/4" — Width 8 1/8"No. 512
Width: 8 1/8"

SCALE: 1 1/2" = 1'-0"

For additional designs see reverse side.

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York 11, N. Y.
TELEPHONE: WATKINS 9-7042

Metal Mouldings-Nosings-Edgings

CARRIED IN STOCK

See Price List 91-W

NOSINGS

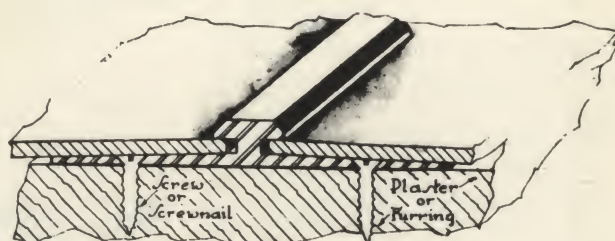
EDGINGS

ALUMALLOY

No. 5000-1/16"
No. 5001-3/32"
No. 5002-1/8"
No. 5004-3/16"

ALUMALLOY

No. 4021-3/32"
No. 4022-1/8"



ONE-PIECE TYPE

PANEL

CAP

ALUMALLOY

No. 5012-1/8"

ALUMALLOY

No. 4012-1/8"

ALUMALLOY

No. 3542-1/8"
No. 3543-5/32"
No. 3544-3/16"
No. 3546-1/4"

ALUMALLOY

No. 3502-1/8"
No. 3503-5/32"
No. 3504-3/16"
No. 3506-1/4"

ALUMALLOY

No. 5112-1/8"

ALUMALLOY
No. 4002-1/8"

OUTSIDE-CORNER

INSIDE-CORNER

ALUMALLOY

No. 3532-1/8"
No. 3533-5/32"
No. 3534-3/16"
No. 3536-1/4"

ALUMALLOY

No. 3522-1/8"
No. 3523-5/32"
No. 3524-3/16"
No. 3526-1/4"

ALUMALLOY

No. 4302-1/8"

COVE

INSIDE-CORNER

ALUMALLOY

No. 3552-1/8"
No. 3553-5/32"
No. 3554-3/16"
No. 3556-1/4"

ALUMALLOY

No. 3622-1/8"

ALUMALLOY

No. 5312-1/8"
Depth of face
under flange,
Standard 1-5/16"
1-3/16", 1-1/16"
13/16"

MOULDINGS, NOSINGS, EDGINGS of alumalloy are a finished product, carried in stock in a high polished finish. Mouldings for Inside Corner, Outside Corner, Panel, Cove and Cap meet most requirements for rigid as well as flexible materials. Nosings and Edgings are correctly designed for use on Counters, Sinks, Tables, Steps, etc. with flexible or rigid material.

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York



Handwritten notes and text at the bottom of the page, including what appears to be a signature and possibly a date or reference number.

Metal Mouldings

CARRIED IN STOCK

See Price List 93-W

DRIV-ON

WOOSTER DRIV-ON MOULDINGS have nails securely fastened at 8" intervals throughout the length of the moulding. Nail heads are tightly clinched in the grooved base--not a nail shows in the beautifully finished face of the moulding. A No. 13 nail, 1" long is furnished unless otherwise specified. Other sizes and different spacing may be had if desired.

All Sections Furnished Either
DRIV-ON OR BOLT-ON



FINISH

Polished-High Luster
carried in stock.

Satin-Matte and Other
finishes to order.

BOLT-ON

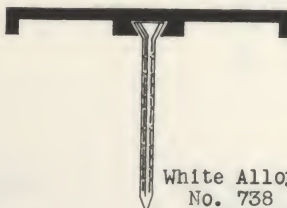
WOOSTER BOLT-ON MOULDINGS have No. 3 Machine Screws securely fastened in the grooved base of the moulding in exactly the same manner as the nails in the Driv-On type. Any length may be specified and any spacing desired is obtainable. Particularly well adapted for use on metal grille work, metal frames, etc., where nailing is impracticable.

PANEL



Yellow Brass
No. 1723

PANEL



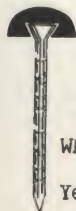
White Alloy
No. 738

PANEL



White Alloy
No. 722

PANEL



White Alloy
No. 724
Yellow Brass
No. 1724

PANEL



White Alloy
No. 752

OUTSIDE-CORNER



White Alloy
No. 759

INSIDE-CORNER



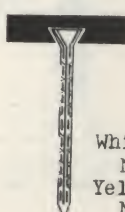
White Alloy
No. 758

PANEL



White Alloy
No. 744

PANEL



White Alloy
No. 742
Yellow Brass
No. 1742

OUTSIDE-CORNER



White Alloy
No. 747

INSIDE-CORNER



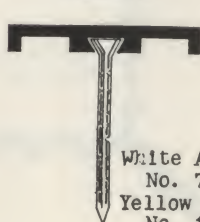
White Alloy
No. 746

PANEL



White Alloy
No. 720
Yellow Brass
No. 1720

PANEL



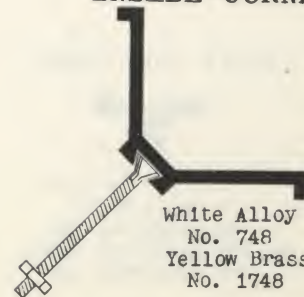
White Alloy
No. 740
Yellow Brass
No. 1740

OUTSIDE-CORNER



White Alloy
No. 749
Yellow Brass
No. 1749

INSIDE-CORNER



White Alloy
No. 748
Yellow Brass
No. 1748

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York

A.I.A. File No.15-L

A.I.A. File No.15-L

Snap-on Metal Mouldings

CARRIED IN STOCK

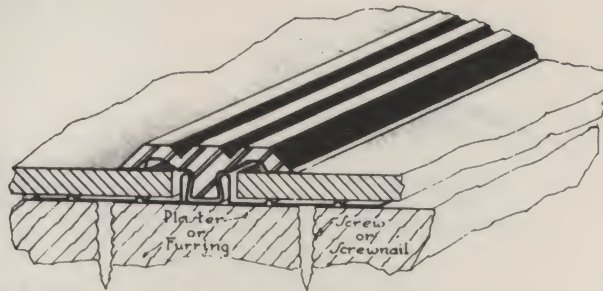
See Price List 92-W

FINISH

Polished-High Luster
carried in stock.

Satin-Matte and other
finishes to order.

Clip base of steel,
copper plated, con-
tinuous for full
length of moulding.



Clip Base Type

INSTALLATION of Wooster Snap-On Mouldings

1. Apply Clip Base in posi-
tion predetermined by
size of material;
2. Apply the wall covering
as directed by the
manufacturer;
3. Snap moulding on to the
Clip Base.

WAINSCOT



White Alloy
No. 562A-1/8"
No. 563A-5/32"
No. 566A-1/4"
Yellow Brass
No. 1563A-5/32"

PANEL



White Alloy
No. 592A-1/8"
No. 593A-5/32"
No. 596A-1/4"
Yellow Brass
No. 1593A-5/32"

WAINSCOT



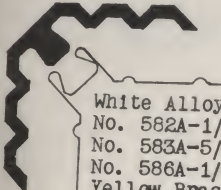
White Alloy
No. 560H-1/16"
No. 562H-1/8"
No. 563H-5/32"

PANEL



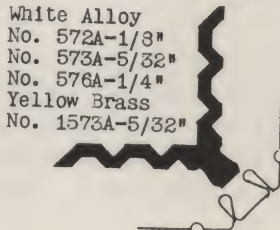
White Alloy
No. 590H-1/16"
No. 592H-1/8"
No. 593H-5/32"
No. 596H-1/4"
Yellow Brass
No. 1596H-1/4"

OUTSIDE CORNER



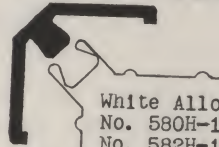
White Alloy
No. 562A-1/8"
No. 563A-5/32"
No. 566A-1/4"
Yellow Brass
No. 1563A-5/32"

INSIDE CORNER



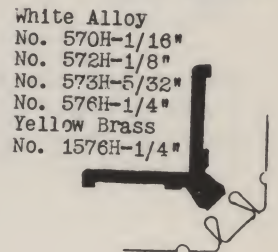
White Alloy
No. 572A-1/8"
No. 573A-5/32"
No. 576A-1/4"
Yellow Brass
No. 1573A-5/32"

OUTSIDE CORNER



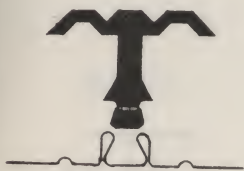
White Alloy
No. 580H-1/16"
No. 582H-1/8"
No. 583H-5/32"
No. 586H-1/4"
Yellow Brass
No. 1586H-1/4"
No. 1583H-5/32"

INSIDE CORNER



White Alloy
No. 570H-1/16"
No. 572H-1/8"
No. 573H-5/32"
No. 576H-1/4"
Yellow Brass
No. 1576H-1/4"

PANEL



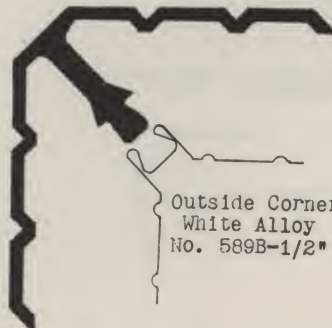
White Alloy
No. 599A-1/2"

WAINSCOT



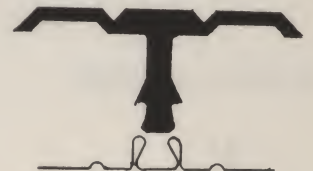
White Alloy
No. 563A-1/2"

OUTSIDE CORNER



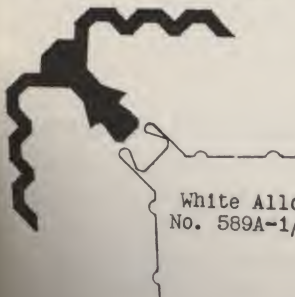
Outside Corner
White Alloy
No. 589B-1/2"

PANEL



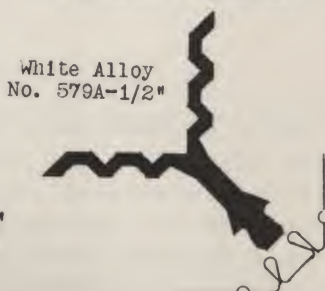
White Alloy
No. 593B-5/32"
No. 599B-1/2"

OUTSIDE CORNER



White Alloy
No. 589A-1/2"

INSIDE CORNER



White Alloy
No. 579A-1/2"

WAINSCOT



White Alloy
No. 563J-5/32"

PANEL OR INLAY



White Alloy
No. 10-068-3/16"
Brass or Nickel Silver
No. 10-121-3/16"

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York

Specialty Metal Mountings

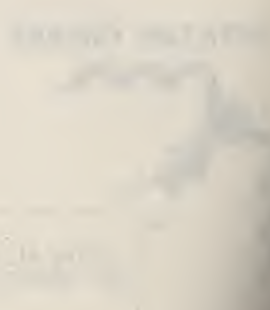
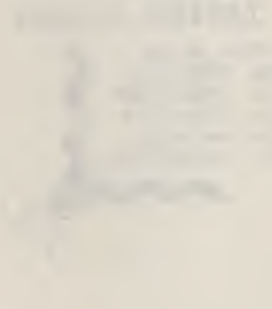
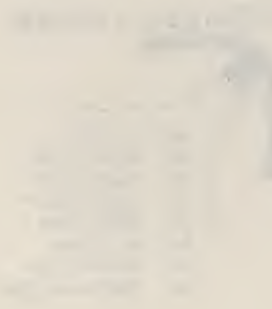
MADE IN U.S.A.

THE BELL COMPANY

These mountings are designed for use with the Bell Company's "Bell" type of metal mountings. They are made of high quality metal and are finished with a special protective coating. They are available in a variety of sizes and shapes to suit your requirements.



This mounting is designed for use with the Bell Company's "Bell" type of metal mountings. It is made of high quality metal and is finished with a special protective coating. It is available in a variety of sizes and shapes to suit your requirements.



Snap-on Metal Mouldings

CARRIED IN STOCK

See Price List 93-W

PANEL



WHITE ALLOY
No. 2004
Width 13/16"

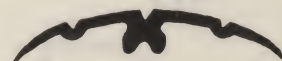
This Clip Base Section used with all sections illustrated below

PANEL



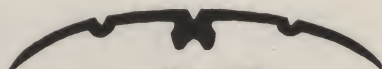
WHITE ALLOY
No. 2005
Width 1-3/32"

PANEL



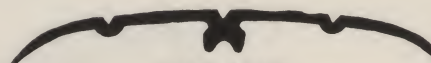
WHITE ALLOY
No. 2006
Width 1-7/16"

PANEL



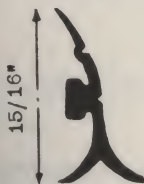
WHITE ALLOY
No. 2007
Width 2"

PANEL



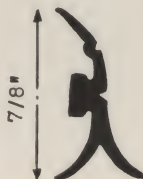
WHITE ALLOY
No. 2008
Width 2-1/4"

COVE



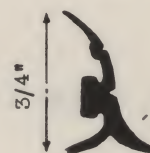
WHITE ALLOY
No. 2016

COVE



WHITE ALLOY
No. 2015

COVE



WHITE ALLOY
No. 2014

Wooster Snap-On Mouldings as illustrated above are correctly designed for use on any type of wall surface. They are easily installed by fastening the clip base in the correct location and then snapping the finished moulding on. They are carried in stock in a high polished finish. Other finishes available from mill.

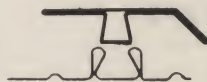
STAINLESS STEEL

PANEL



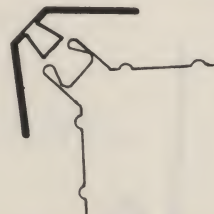
No. 1492 - 1/8"
No. 1493 - 5/32"

WAINSCOT



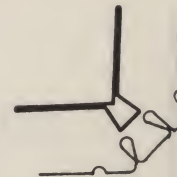
No. 1462 - 1/8"
No. 1463 - 5/32"

OUTSIDE-CORNER



No. 1482 - 1/8"
No. 1493 - 5/32"

INSIDE-CORNER



No. 1472 - 1/8"
No. 1473 - 5/32"

WOOSTER STAINLESS STEEL SNAP-ON MOULDINGS simplify installation problems. They are correctly designed for use with rigid or flexible materials and are installed as follows:

- 1 - Fasten clip base in correct location.
- 2 - Install wall covering material as directed by manufacturer.
- 3 - Snap Stainless Steel Mouldings on clip base.

Stainless Steel Mouldings are a finished product ready for use in a high polished finish.

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York

Shap on Metal Mountings

CLASSICAL DESIGN

THE FIRST DESIGN



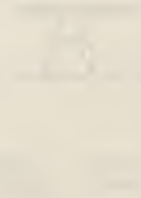
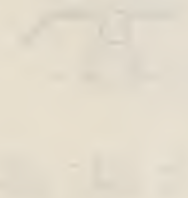
THE SECOND DESIGN

THE FIRST DESIGN

THE SECOND DESIGN

THE THIRD DESIGN

THE FOURTH DESIGN



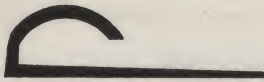
THESE DESIGNS ARE THE PROPERTY OF JULIUS ROGER & CO. INC. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.

Metal Mouldings

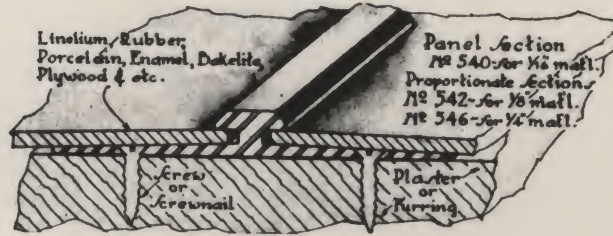
CARRIED IN STOCK

See Price List 90-W

CAP



White Alloy
No. 652-1/8"



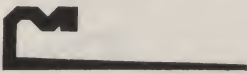
CAP



White Alloy
No. 662-1/8"

ONE PIECE TYPE

WAINSCOT



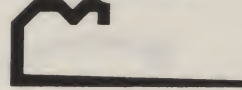
White Alloy
No. 510-1/16"
No. 512-1/8"

CAP



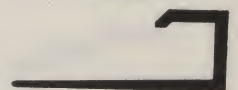
White Alloy
No. 500-1/16"
No. 501-3/32"
No. 502-1/8"
No. 503-5/32"

WAINSCOT



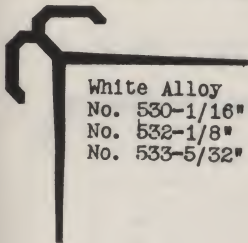
White Alloy
No. 516-1/4"
Yellow Brass
No. 1516-1/4"

CAP



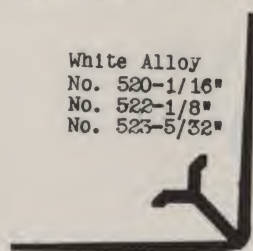
White Alloy
No. 506-1/4"

OUTSIDE-CORNER



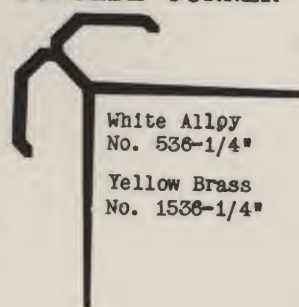
White Alloy
No. 530-1/16"
No. 532-1/8"
No. 533-5/32"

INSIDE-CORNER



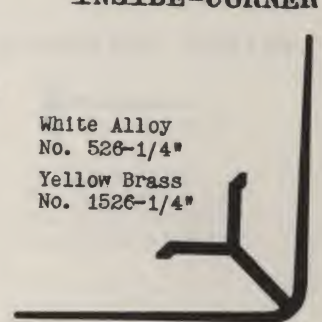
White Alloy
No. 520-1/16"
No. 522-1/8"
No. 523-5/32"

OUTSIDE-CORNER



White Alloy
No. 536-1/4"
Yellow Brass
No. 1536-1/4"

INSIDE-CORNER



White Alloy
No. 526-1/4"
Yellow Brass
No. 1526-1/4"

PANEL



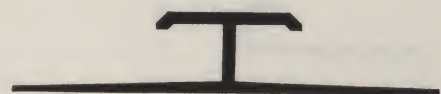
White Alloy
No. 540-1/16"
No. 541-3/32"
No. 542-1/8"
No. 543-5/32"

COVE



White Alloy
No. 550-1/16"
No. 552-1/8"

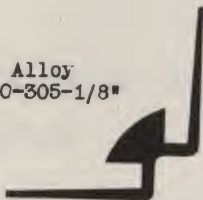
PANEL



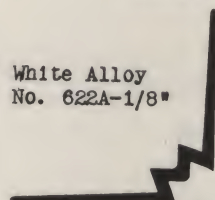
White Alloy
No. 546-1/4"
Yellow Brass
No. 1546-1/4"

INSIDE-CORNERS

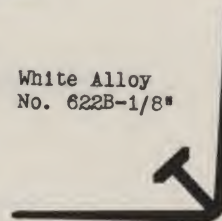
White Alloy
No. 10-305-1/8"



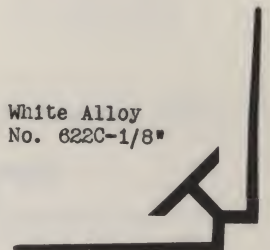
White Alloy
No. 622A-1/8"



White Alloy
No. 622B-1/8"



White Alloy
No. 622C-1/8"



WOOSTER MOULDINGS with wide "feather-edge" flange are correctly designed for use with rigid as well as flexible materials. The wide flange base provides ample space for securely fastening with a minimum of labor. Forming (bending — curving) is easily accomplished on the job for corners, arches, etc. The wings of the moulding securely hold material in place. The result is a perfect installation with all fastenings concealed. Mouldings are carried in stock in a high polished finish. Other finishes available from mill.

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York



These drawings were prepared by the architect of the building shown in the accompanying photograph. The drawings are intended to show the general appearance of the building and its various parts. The drawings are not to scale and are not intended to be used for construction purposes. The drawings are for informational purposes only.

Metal Edgings

CARRIED IN STOCK

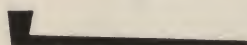
See Price List 96-W
also 90-W

SECURITY EDGING



White Alloy
Fig. RR-1/16"
Fig. TT-3/32"
Fig. VV-1/8"
Fig. WW-3/16"
Fig. XX-1/4"
Yellow Brass
Fig. V-1/8"
Fig. W-3/16"
Fig. X-1/4"
Fig. Y-3/8"
Fig. Z-1/2"

DIVIDER EDGING



White Alloy
No. 901-1/8"
No. 903-3/16"
Yellow Brass
No. 911-1/8"
No. 913-3/16"

DIVIDER EDGING



White Alloy
No. 922 - 1/8"
No. 924 - 3/16"
No. 926 - 1/4"
Yellow Brass
No. 932
No. 934
No. 936

BAR EDGING



White Alloy
No. 251-1/8"
Yellow Brass
No. 51-1/8"
No. 52-3/16"
No. 53-1/4"

BAR EDGING



White Alloy
No. 257-1/8"
Yellow Brass
No. 57-1/8"

BAR EDGING



White Alloy
No. 258-3/16"
Yellow Brass
No. 58-3/16"
No. 59-1/4"

BINDER BAR



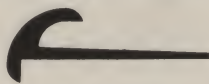
White Alloy
No. 245
Yellow Brass
No. 240

BINDER BAR



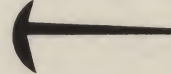
White Alloy
No. 247-7/32"
No. 248-9/32"
Yellow Brass
No. 242-7/32"
No. 243-9/32"

DRIP-PROOF EDGING



White Alloy
No. 880-1/16"
No. 881-3/32"
No. 882-1/8"
No. 884-3/16"

REVERSIBLE EDGING



White Alloy
No. 891-3/32"-1/4"
No. 892-1/8"-3/16"
No. 893-3/16"-1/4"

DRIP-PROOF EDGING



White Alloy
No. 652-1/8"

DRIP-PROOF EDGING



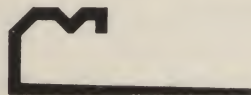
White Alloy
No. 662-1/8"

DRIP-PROOF EDGING



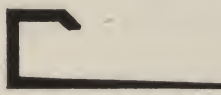
White Alloy
No. 500-1/16"
No. 501-3/32"
No. 502-1/8"
No. 503-5/32"

DRIP-PROOF EDGING



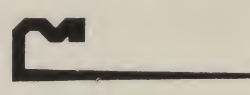
White Alloy
No. 516-1/4"
Yellow Brass
No. 1516-1/4"

DRIP-PROOF EDGING



White Alloy
No. 506-1/4"

DRIP-PROOF EDGING



White Alloy
No. 510-1/16"
No. 512-1/8"

WOOSTER EDGINGS with "feather-edge" flange are correctly designed for use with Floor Covering, Wall Covering, Tables, Counters, Sinks, Desks, etc. They are carried in stock in a high polished finish. Other finishes available from mill.

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York

Match Letters

Write the letter in the box.

Write the letter in the box.

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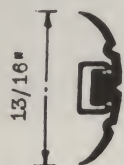
Metal Edgings for Tables, Counters, Etc.

CARRIED IN STOCK

See Price List 93-W
also 97-W



White Alloy
No. 10-317



White Alloy
No. 2004
Snap-On



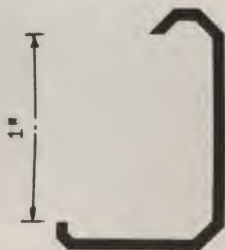
White Alloy
No. 749
Yellow Brass
No. 1749
Drive-On



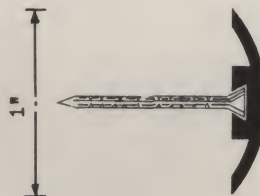
White Alloy
No. 10-139



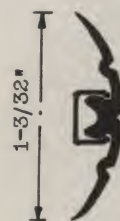
White Alloy
No. 10-099



White Alloy
No. 10-099



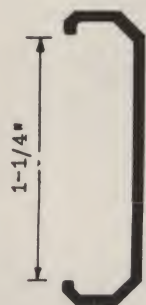
White Alloy
No. 720
Yellow Brass
No. 1720
Drive-On



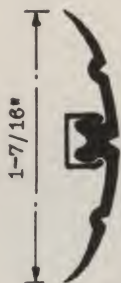
White Alloy
No. 2005
Snap-On



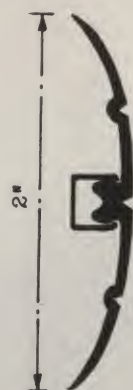
White Alloy
No. 10-355



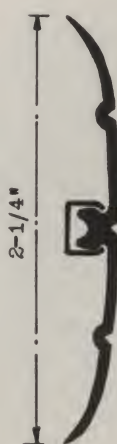
White Alloy
No. 10-368



White Alloy
No. 2006
Snap-On



White Alloy
No. 2007
Snap-On



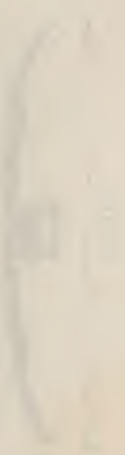
White Alloy
No. 2008
Snap-On

WOOSTER METAL EDGINGS are correctly designed for use on tables, counters, desks, etc. They are carried in stock in sizes to accommodate various thick-

nesses and types of covering. They are designed primarily for use on wood tables and counters with any type of finished covering such as Linoleum, Bakelite, Porcelain Enamel, Plywood, etc. Many of the shapes illustrated are designed for use where a drip-proof edging is required. Others are designed for use where a concealed fastening is required. They may be easily bent and curved for application around corners and are carried in stock in a high polished finish. Other finishes available from mill.

JULIUS BLUM & CO., INC.

532-540 West 22nd Street, New York



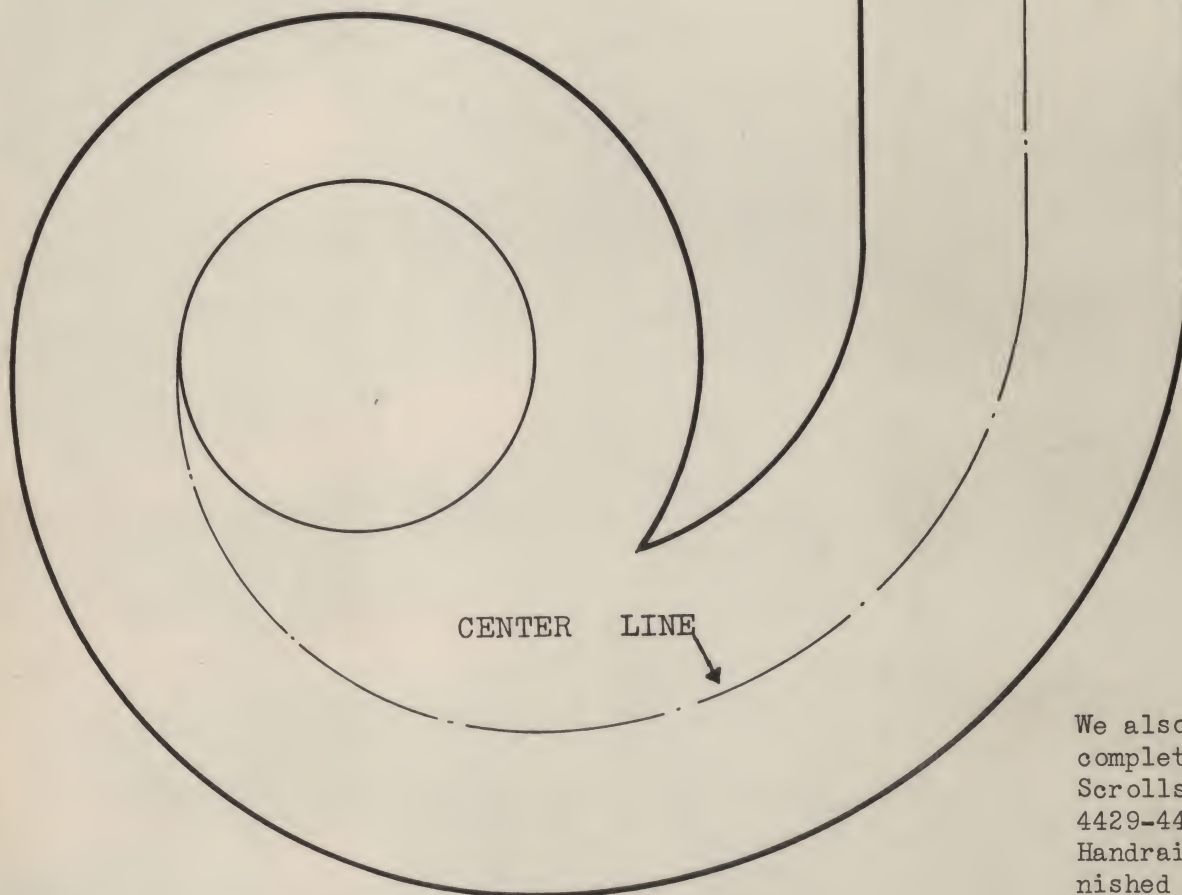
These diagrams illustrate the various ways in which the metal edging can be applied to the corners of a window frame. The edging is designed to be easily attached to the frame and to provide a decorative finish to the corners. The edging is made of a durable material and is available in a variety of colors and finishes. The edging is designed to be easily attached to the frame and to provide a decorative finish to the corners. The edging is made of a durable material and is available in a variety of colors and finishes.

"Junior" Lateral Scrolls for No. 4429 Steel Handrail

No. 4429

Full size detail of "JUNIOR" Lateral Scroll for No.4429 Rolled Steel Handrail made of HEAT TREATED FERROUS ALLOY CASTING.

Carried in stock right or left hand (illustration shown is left hand.)



We also carry in stock complete Lateral Scrolls for Nos.4428-4429-4441 Rolled Steel Handrails. Details furnished upon request.

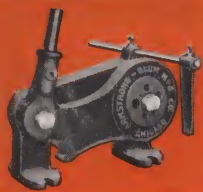
HEAT TREATED FERROUS ALLOY CASTING Lateral Scrolls are clean in appearance. They may be given a hammered, polished, plated or antique finish the same as rolled steel handrails.

HEAT TREATED FERROUS ALLOY CASTINGS are as strong, if not stronger than steel; they are corrosion resisting and may be worked at low temperature without risk of breakage.

HEAT TREATED FERROUS ALLOY CASTING Lateral Scrolls may be welded the same as soft steel. They should preferably be electrically welded but may also be gas welded if care is exercised not to overheat the metal.

Note:- Do not put HEAT TREATED FERROUS ALLOY CASTINGS into the blacksmith fire or do not fire weld. To do so might destroy the qualities acquired by heat treatment.

Rod Cutters



Mod. Will cut Round Rods

No. 5 $\frac{3}{8}$, $\frac{5}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, $\frac{1}{8}$

No. 6 $\frac{5}{8}$, $\frac{9}{16}$, $\frac{1}{2}$, $\frac{7}{16}$, $\frac{3}{8}$

No. 7 $\frac{7}{8}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$, $\frac{3}{8}$

Round bars, rods or wire are rapidly cut off with a single stroke of the lever. The work is passed through one of the five openings in a pair of matched tool steel blades. One blade is held stationary and the work is sheared off by rotating the other blade about a center pivot pin. The openings in the cutter blades just fit the work, the cut ends are not distorted, remain round and true. Blades are easily replaced. An adjustable length gauge is furnished. The No. 7 Rod Cutter can be furnished with 18" heavy iron legs.

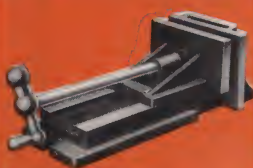
Splitting Shears



Model	No. 1	No. 2
Cap. (mild steel)	$\frac{1}{8}$ "	$\frac{1}{4}$ "
Lgth. of shear bl.	4"	6"
Lgth. of Lever	30"	54"

Flat steel plates and bars are cut off, split and trimmed very conveniently with these sturdy well built tools. The shear blade is carried on a sliding block which is forced down by an eccentric driven by the hand lever. The No. 2 shear has an adjustable eccentric combined with a toggle and can be changed for high or low power by simply shifting a small pin. Both machines are equipped with an adjustable stripper. The No. 2 shear can be furnished with 18" heavy iron legs.

Drill Press Vises



Model	No. 40	No. 41
Opening Cap.	5"	8"
Width of Jaws	$5\frac{5}{8}$ "	7"
Height of Jaws	$2\frac{1}{2}$ "	4"
Overall length	$12\frac{1}{2}$ "	$17\frac{1}{2}$ "
Overall width	$5\frac{5}{8}$ "	7"
Overall height	$4\frac{1}{4}$ "	6"

Very practical shop accessories. The sliding jaw is quick action screw and ratchet type. The complete vise is machine finished, parallel and square on all sides and can be used on either side or bottom. A bolt notch is provided at each end and an extended strip around the entire edge can be used for clamping the vise to the machine bed. An elongated slot running through the fixed jaw is useful for attaching drill bushing holders or bolting down the vise. Both jaws extend beyond the vise body at one side so that long pieces can be held vertically.

JULIUS BLUM & CO., INC.

532-540 WEST 22nd STREET

NEW YORK 11, N. Y. WATKINS 9-7042-9



**LASTS LONGER
CUTS FASTER
with SAFETY!**

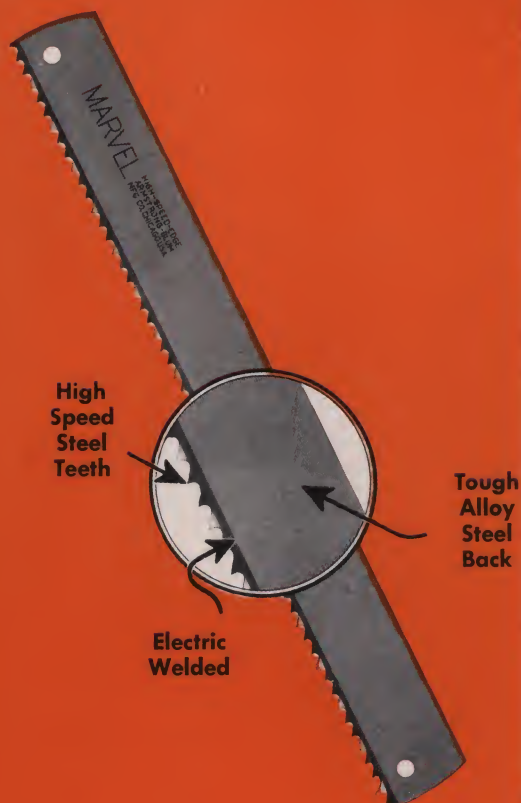
Genuine
MARVEL
HIGH - SPEED - EDGE

**HACK SAW BLADES
AND HOLE SAWS**

UNBREAKABLE CONSTRUCTION

MARVEL High-Speed-Edge Hack Saw Blades

STOCK SIZES and LIST PRICES



Stock No.	Catalog Length (Inches)	Catalog Width (Inches)	Thickness (Inches)	Teeth Per Inch	Pinhole Diameter (Inches)	List Price Per Blade
1214-N	12	$\frac{5}{8}$	.032	14	3/16	\$.75
1218-N	12	$\frac{5}{8}$	.032	18	3/16	.75
1210	12	1	.065	10	9/32	1.20
1214	12	1	.049	14	9/32	1.20
1410	14	1	.065	10	9/32	\$ 1.40
1410-L	14	1	.049	10	9/32	1.40
1414	14	1	.049	14	9/32	1.40
1404-W	14	$1\frac{1}{4}$	.065	4	9/32	1.75
1406-W	14	$1\frac{1}{4}$	.065	6	9/32	1.75
1410-W	14	$1\frac{1}{4}$	.065	10	9/32	1.75
1404-H	14	$1\frac{1}{2}$	.072	4	9/32	2.31
1406-H	14	$1\frac{1}{2}$	.072	6	9/32	2.31
1710	17	1	.065	10	9/32	\$ 1.70
1714	17	1	.049	14	9/32	1.70
1704-W	17	$1\frac{1}{4}$	.065	4	9/32	2.12½
1706-W	17	$1\frac{1}{4}$	.065	6	9/32	2.12½
1710-W	17	$1\frac{1}{4}$	.065	10	9/32	2.12½
1810	18	1	.065	10	9/32	\$ 1.80
1804-W	18	$1\frac{1}{4}$	.065	4	9/32	2.25
1806-W	18	$1\frac{1}{4}$	.065	6	9/32	2.25
1810-W	18	$1\frac{1}{4}$	.065	10	9/32	2.25
1804-H	18	$1\frac{1}{2}$	.072	4	9/32	2.97
1806-H	18	$1\frac{1}{2}$	.072	6	9/32	2.97
1804-HW	18	2	.072	4	9/32	3.96
1806-HW	18	2	.072	6	9/32	3.96
2104-H	21	2	.072	4	9/32	\$ 4.62
2106-H	21	2	.072	6	9/32	4.62
2104-CS	21	2	.100	4	9/32	6.30
2404-H	24	2	.072	4	9/32	\$ 5.28
2406-H	24	2	.072	6	9/32	5.28
2404-C	24	2	.100	4	25/64	7.20
2404-CS	24	2	.100	4	9/32	7.20
3004-C	30	$2\frac{1}{2}$	.100	4	25/64	\$11.25
3625-E	36	$4\frac{1}{2}$	.125	$2\frac{1}{2}$	$1\frac{1}{2}$	\$27.50

MARVEL blades have been designed with full recognition of the work a hack saw blade must do—cut fast and straight. To do this, a hack saw blade must have those qualities that permit high speed without burning and high feed pressure without excessive deflection or breakage.

No one tool steel or alloy has the properties necessary to meet these two requirements. High speed steel is excellent for fast cutting but is, of necessity, hard and brittle—certainly not a good material for heavy loading. On the other hand none of the alloys that have been developed particularly to withstand heavy loading are suitable for use as a cutting tool.

MARVEL blades are a welded combination of the two materials best suited to the requirement of an efficient hack saw blade. A narrow high speed steel cutting edge is welded to a tough alloy steel body and the highest physical characteristics of both developed by a carefully controlled heat treatment.

MARVEL "high-speed-edge" hack saw blades are unbreakable. They need no "babying" and can safely be subjected to the high speeds and heavy feeds so necessary in securing the high efficiency that a buyer of high speed tools has a right to expect.

Blades can be tensioned *tight* (as they must be) feed pressure can be heavy and speeds fast (as they should be) without hazard to either the operator or the blade.

High Speed Steel does the cutting—a tough strong alloy carries the load. Only MARVEL High-Speed-Edge Hack Saw Blades offer this ideal and efficient combination.

To simplify ordering, specify stock number only. Since all MARVEL High-Speed-Edge Hack Saw Blades are priced in units and packed in standard packages of ten blades (instead of by dozen and gross), please specify quantities in multiples of tens or hundreds.

Center-to-center distance between pin-holes in 21", 24", 30", and 36" blades is the same as catalog length shown above. Center-to-center distance between pin-holes in 14", 17" and 18" blades is $\frac{1}{2}$ "; and in 12" blades is $\frac{1}{8}$ " less than catalog length.

All MARVEL High-Speed-Edge blades are slightly wider than catalog width shown.

MARVEL

High-Speed-Edge Hole Saws

MARVEL High-Speed-Edge Hole Saws will cut holes from $\frac{3}{8}$ " to $4\frac{1}{2}$ " diameter through sheet metal or solid material up to a thickness of $1\frac{1}{2}$ ". They will efficiently cut any machineable material—steel plates and pipes, stainless steel, brass, bronze, aluminum and wood.

They embody the same principle of construction, as MARVEL Hack Saw Blades. A cutting edge of high speed steel welded to a tough alloy steel body gives these saws the stamina to withstand the abuse to which these tools are usually subjected.

The arbors are fitted with a $\frac{1}{4}$ " high speed steel pilot drill and have a solid hexagon shank that will fit any $\frac{1}{2}$ " or larger 2 or 3 jaw drill chuck. The No. 2 and No. 3 Arbors (for saws $1\frac{1}{4}$ " diameter or larger) drive the saws with 2 drive pins which engage matching holes in the saw bodies. This drive does not require that the saws be screwed up tight against the arbor shoulder but permits some universal freedom to allow for misalignment. The arbors are heat treated and are practically indestructible.

MARVEL High-Speed-Edge Hole Saws produce big holes for little cost. They are used in portable power tool, drill press or lathe tail stock.

SPECIFICATIONS

Stock No.	Saw Diam. (Inches)	List Price (Each)	Use Arbor No.	Use for Pipe Tap, Pipe Size	Use for Pipe Entrance, Pipe Size
10	$\frac{5}{8}$	\$ 3.00	1		$\frac{3}{8}$
12	$\frac{3}{4}$	3.00	1		$\frac{1}{2}$
14	$\frac{7}{8}$	3.00	1	$\frac{3}{4}$	
16	1	3.00	1		
17	$1\frac{1}{16}$	3.00	1		
18	$1\frac{1}{8}$	3.00	1	1	$\frac{3}{4}$
20	$1\frac{1}{4}$	\$ 3.00	2 or 3		1
22	$1\frac{3}{8}$	3.00	2 or 3	$1\frac{1}{4}$	
24	$1\frac{1}{2}$	3.00	2 or 3		
26	1 $\frac{5}{8}$	3.00	2 or 3	$1\frac{1}{2}$	$1\frac{1}{4}$
28	1 $\frac{3}{4}$	4.00	2 or 3		
30	1 $\frac{7}{8}$	\$ 4.00	2 or 3		$1\frac{1}{2}$
32	2	4.00	2 or 3		
33	$2\frac{1}{16}$	5.30	2 or 3		
34	$2\frac{1}{8}$	5.30	2 or 3		
36	$2\frac{1}{4}$	5.30	2 or 3	2	
38	$2\frac{1}{2}$	5.30	2 or 3		
40	$2\frac{3}{8}$	\$ 5.30	2 or 3		2
41	$2\frac{1}{2}$	5.30	2 or 3		
42	$2\frac{5}{8}$	5.30	2 or 3	$2\frac{1}{2}$	
44	$2\frac{3}{4}$	5.30	2 or 3		
46	$2\frac{7}{8}$	5.30	2 or 3		$2\frac{1}{2}$
48	3	5.30	2 or 3		
50	$3\frac{1}{8}$	\$ 5.30	2 or 3		
52	$3\frac{1}{4}$	5.30	2 or 3	3	
54	$3\frac{3}{8}$	5.30	2 or 3		
56	$3\frac{1}{2}$	5.30	2 or 3		3
58	$3\frac{5}{8}$	7.00	2 or 3		
60	$3\frac{3}{4}$	\$ 8.00	2 or 3	$3\frac{1}{2}$	
62	$3\frac{7}{8}$	8.50	2 or 3		
64	4	9.00	2 or 3		$3\frac{1}{2}$
66	$4\frac{1}{8}$	10.00	2 or 3		
68	$4\frac{1}{4}$	13.00	2 or 3		
70	$4\frac{3}{8}$	15.50	2 or 3		
72	$4\frac{1}{2}$	18.00	2 or 3		4

MARVEL High-Speed-Edge Hole Saws are normally furnished without arbors.

ARBORS

No.	Size Hexagon Shank (Inches)	Fits Hole Saws (Inches)	Price Each
1	$\frac{1}{2}$	$\frac{5}{8}$ to $1\frac{1}{8}$	\$4.00
2	$\frac{3}{8}$	$1\frac{1}{4}$ to $4\frac{1}{2}$	6.00
3	$\frac{3}{4}$	$1\frac{1}{4}$ to $4\frac{1}{2}$	6.00

No. 7 Extension for No. 1 or No. 2 Arbors. $\frac{1}{2}$ " hexagon shank, 12" long, for reaching inaccessible places.....\$4.00

Replacement High Speed Steel Pilot Drills for all Arbors.....\$1.50

NOTE: All items on this page are priced in units and packed in standard packages of ten. List Prices are subject to trade and quantity discounts.



Saw Attached to Arbor



Hole Saw



Use in Any $\frac{1}{2}$ " or Larger Portable Drill



No. 1 Arbor



No. 2 Arbor



No. 3 Arbor



12" Arbor Extension



Increase the capacity of Any Drill Press

INDIVIDUALLY PACKED

MARVEL

Metal Cutting Band Saw Blades



For top performance from any band saw machine, regardless of make, specify MARVEL Metal Cutting Band Saw Blades.

For simplicity in ordering, ease of identification before and after delivery, protected compact storage, elimination of loss by rust, and minimum stocks through interchangeability, specify MARVEL Metal Cutting Band Saw Blades. These blades are ready for use when shipped; they are welded endless, coiled, identified, individually boxed, and packed ten boxes in a carton.

All popular metal band saw machines are listed, and opposite each name is shown the size, tooth pitch, stock number, and list price of the MARVEL standard blade available for each machine. Great care has been taken to determine standard lengths of blades. Machine manufacturers' specified blade lengths may vary from our specifications. However, we guarantee that standard MARVEL Band Saw Blades will fit the respective machines listed below.

When ordering MARVEL Band Saw Blades it is no longer necessary to place an order by length, thickness, temper, etc. Simply refer to the table below and order by stock number.

STOCK SIZES and LIST PRICES

Machine	Length, Welded Endless	Width	Gauge	List Price (Each)	Stock Numbers						
					Pitch (Teeth per Inch)						
					6	8	10	12	14	18		24
Atkins No. 3	15'- 8"	3/4"	.032"	\$3.67	B9-6	B9-8	B9-10	B9-12	B9-14		
Atkins No. 4	14'- 1"	3/4"	.032"	3.29	A4-6	A4-8	A4-10	A4-12	A4-14		
Avey Millband	14'- 9"	1"	.035"	4.20	AM-6	AM-8	AM-10		AM-14		
Clark Compound	15'- 6"	1"	.035"	4.44	CC-6	CC-8	CC-10		CC-14		
Delta 14	7'- 9"	1/2"	.025"	1.69	D4-6		D4-10		D4-14	D4-18	D4-24
H & R 6"	12'- 6"	3/4"	.032"	3.10	R6-6	R6-8	R6-10	R6-12	R6-14		
H & R 9"	13'- 0"	3/4"	.032"	3.10	R9-6	R9-8	R9-10	R9-12	R9-14		
H & R 12"	15'- 8"	3/4"	.032"	3.67	B9-6	B9-8	B9-10	B9-12	B9-14		
Johnson	11'- 5"	3/4"	.032"	2.71	J-6	J-8	J-10	J-12	J-14		
Kalamazoo Standard	10'- 5"	3/4"	.032"	2.52	KA-6	KA-8	KA-10	KA-12	KA-14		
Kalamazoo Ex. Size	12'- 1"	3/4"	.032"	2.90	KX-6	KX-8	KX-10	KX-12	KX-14		
Klemm No. 1	11'- 2"	3/4"	.032"	2.71	K1-6	K1-8	K1-10	K1-12	K1-14		
Klemm No. 2	15'- 8"	3/4"	.032"	3.67	B9-6	B9-8	B9-10	B9-12	B9-14		
MARVEL No. 8 Standard	14'- 8"	3/4"	.032"	3.48	B8-6	B8-8	B8-10	B8-12	B8-14		
MARVEL No. 8 High Col.	15'- 8"	3/4"	.032"	3.67	B9-6	B9-8	B9-10	B9-12	B9-14		
Millclark	10'-10"	3/4"	.032"	2.71	MC-6	MC-8	MC-10	MC-12	MC-14		
Napier	12'- 3"	1"	.035"	3.48	NI-6	NI-8	NI-10		NI-14		
Napier, Jr.	8'- 4"	3/4"	.032"	2.14	NJ-6	NJ-8	NJ-10	NJ-12	NJ-14		
Racine	7'- 9"	1/2"	.025"	1.69	D4-6		D4-10		D4-14	D4-18	D4-24
Thompson	15'- 8"	3/4"	.032"	3.67	B9-6	B9-8	B9-10	B9-12	B9-14		
Thompson Millband	12'-11"	3/4"	.032"	3.10	TM-6	TM-8	TM-10	TM-12	TM-14		
Walker Turner 14"	8'- 1"	1/2"	.025"	1.69	W4-6		W4-10		W4-14	W4-18	W4-24
Walker Turner 16"	9'- 7"	1/2"	.025"	1.96	W6-6		W6-10		W6-14	W6-18	W6-24
Wells No. 5	8'- 2 1/2"	1/2"	.025"	1.69	W5-6		W5-10		W5-14	W5-18	W5-24
Wells No. 8	11'- 7"	3/4"	.032"	2.90	W8-6	W8-8	W8-10	W8-12	W8-14		
Wright	15'- 8"	3/4"	.032"	3.67	B9-6	B9-8	B9-10	B9-12	B9-14		

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